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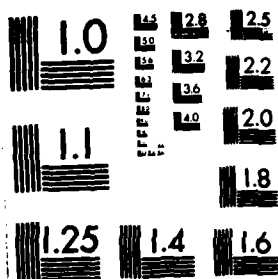
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
LAKHURST NEW JERSEY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

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AD-A 150 449	DTIC ACCESSION NUMBER	<div style="border: 1px solid black; padding: 5px; margin: 5px;">  </div> <div style="text-align: center;">LEVEL</div>	PHOTOGRAPH THIS SHEET	<div style="border: 1px solid black; padding: 5px; margin: 5px;">  </div> <div style="text-align: center;">INVENTORY</div>																										
		<div style="font-size: 1.5em; font-family: cursive;">SMOS, Lakehurst, NJ</div> <div style="font-size: 1.2em; font-family: cursive;">Aug 1984</div> <div style="text-align: center;">DOCUMENT IDENTIFICATION</div>																												
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SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 449

STATION: #14780 Lakewood, NJ
PERIOD: 1/73-12/73
DATE: 2/45-12/73

DATE: August 1973

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Lakehurst, NJ		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) NA		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		12. REPORT DATE August 1984
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	RWD NUMBER
14780	Lakehurst, New Jersey	40°02'N	74°21'W	93	KNEL	72409

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OSS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	South side of room 220-General Service Bldg (Weather service off.)	Navy		1959	40°02'N	74°21'W	120.5	Mercurial	24
2.	North side of room 202-HTA hangar (Weather service office)	"	1959	1966	"	"	110	"	24
3.	Weather office, 2nd deck	"	1966	1976	"	"	110	"	24
1a.	Weather Office	"	1966	1971	"	"	110	Aneroid	24
2a.	Building 307, room 201	"	1971	1976	"	"	110	"	24
3a.	" " " "	"	1976		"	"	110	"	18

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.		On 50' mast atop General Service Building No. 150	Selsyn	Triple	79'	1. Barograph
1a.		Atop General Service Building No 150	aero-vane		79'	2. Semi-auto met. station
2.	1951	Atop General Service Building	Selsyn	Triple	63'7"	3. Cloud height set (AN/CNQ-13B)
2a.	1951	" " " "	aero-vane		63'	4. Ceiling light (ML-121)
3a.	1959	Transmitter "B" 900' southeast, Building 307	AN/UMQ-5	RD-108B	28'	5. Fax Recorder (GMH-6)
						6. Cloud height recorder (RD-121)
						7. Cloud height indicator (1P 327B)

NWSD, Federal Building

WEATHER CONDITIONS

NOCD, Federal Building
Asheville, N. C.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

lowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

FE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

197 STATION LANFORDST, J 45-74, 81 YEARS ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0115	.3	37.8	4.3	26.6		50.0	43.1	39.7	2.7	.3	60.5	1023
FEB		1.1	37.4	2.6	27.6	.1	50.3	41.0	41.1	3.6		56.1	987
MAR		4.1	48.2	1.7	19.1	.2	51.9	45.3	38.1	1.6		58.3	1053
APR		7.1	55.2	.1	4.2	.2	49.9	51.9	36.3		.3	60.4	1000
MAY		10.8	59.4		.7	.1	52.3	58.2	46.0		.1	60.1	1047
JUN		17.6	52.0			.5	46.6	66.4	60.9			71.8	1020
JUL		17.6	49.4			.2	43.6	68.9	70.6			80.6	1000
AUG		19.4	59.1				44.2	76.5	69.6			64.0	1004
SEP		8.3	44.3			.1	39.1	67.1	59.4			70.6	1020
OCT		7.3	40.0		1.0	.2	35.4	62.6	51.1			72.0	990
NOV		1.6	47.5		5.0	.1	44.2	50.9	45.9			65.3	989
DEC		.4	43.7	2.1	18.3	.1	44.9	46.2	42.4	1.4		63.8	1053
TOTALS		6.0	47.3	.8	8.6	.1	46.4	56.7	50.1	.3	.1	60.5	12264

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WEATHER CONDITIONS

147 1 LAKELURST, N.J. 73-82 18

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN.	01		10.8	2.2	1.1		12.9	16.1	1.1			17.2	21
	04		16.1	1.1	3.2		18.3	24.7				24.7	27
	07		3.1	1.0	6.2		14.8	23.2	7.1	.3		26.5	311
	10		10.3	.3	6.1		16.4	16.0	8.7	1.0		25.7	211
	13		10.0	.3	7.4		16.8	15.5	6.8	1.0		21.6	310
	16		10.3	.3	4.5		14.5	13.2	6.8	.6		19.7	310
	19		8.7		4.8		13.5	12.6	5.2			17.1	310
	22		7.1	1.3	7.4		14.8	13.5	4.5			17.7	310
TOTALS			10.2	.8	5.2		15.3	17.1	5.0	.4		21.5	2048

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WEATHER CONDITIONS

147-0 STATION LAKELAND, NJ STATION NAME 73-82 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		8.3		3.6		11.9	13.1	3.6			15.6	84
	04		6.9	1.2	3.6		10.7	16.7	1.2			17.9	84
	07		6.4	1.1	5.3		12.4	26.6	7.4	1.4		32.6	282
	10	.4	7.4	.4	6.8		13.5	17.7	7.4	1.4		24.8	282
	13		5.7	.4	5.3		11.3	12.8	4.3	1.1		17.7	252
	16		7.8	.7	4.3		12.4	10.3	5.7	.4		15.2	262
	19	.4	8.5	.7	5.7		14.2	10.3	5.3	.4		15.7	251
	22	.4	10.0	.4	6.8		16.0	14.9	5.7	.7		20.3	281
TOTALS		.2	7.5	.6	5.0		12.8	15.3	5.0	.7		20.0	1858

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WEATHER CONDITIONS

147 STATION LAKEHURST, NJ 73-82 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01	1.1	14.1		1.1		15.1	21.5	2.2			21.5	23
	04		16.1		1.1		16.1	22.6	2.2			23.7	93
	07	.3	12.0	.3	1.3		11.6	27.1	9.7			35.5	310
	10		12.3		3.2		15.2	20.0	10.0			24.7	310
	13	.3	13.8		3.2		16.5	14.3	5.5			20.0	310
	16		11.6		4.5		15.2	14.5	5.5			19.0	310
	19	.6	12.6		3.2		15.5	17.1	4.5	.3		20.3	310
	22	1.0	11.3		3.2		14.2	16.5	3.5			19.0	310
TOTALS		.4	12.7	.0	2.6		14.9	19.3	5.4	.0		23.5	2046

WEATHER CONDITIONS

14701
STATION

LAKEHURST, NJ

STATION NAME

77-82

YEARS

APD
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	1.1	10.0		1.1		11.1	10.0				10.0	90
	04		10.0		1.1		11.1	10.0				10.0	90
	07		10.0		.3		10.3	20.3	9.3			27.7	300
	10		11.3		1.0		12.3	10.7	4.7			15.3	300
	13		11.7		1.0		12.3	11.7	3.0			14.3	300
	16	.7	13.0		1.0		13.7	11.0	4.3	.3		15.0	300
	19	.3	10.0		.3		10.3	13.7	7.0			20.0	300
	22	1.0	8.3		.3		8.7	11.7	4.7			15.3	300
TOTALS		.4	10.5		.8		11.2	12.4	4.1	.0		16.0	1080

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WEATHER CONDITIONS

14750
STATIONLAKELAND, NJ
STATION NAME73-82
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	1.1	11.8				11.8	34.4	6.5			37.6	93
	04		11.8				11.8	36.6	4.3			37.6	93
	07	.3	14.8				14.8	40.6	9.4			45.5	310
	10	.3	12.6				12.6	18.1	12.6			29.4	310
	13		10.3				10.3	10.3	13.9			23.2	310
	16	1.6	10.3				10.3	9.4	12.3			21.3	310
	19	2.6	13.9				13.9	16.1	14.5			29.0	310
	22	1.9	12.6				12.6	25.8	9.4			32.6	310
TOTALS		1.0	12.3				12.3	23.9	10.4			32.0	2046

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WEATHER CONDITIONS

1973 LAKHURST, NJ 73-82 JUN
 STATION STATION NAME YEARS MONTH

 PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	2.2	7.8				7.8	42.2	11.1			46.7	90
	04		11.1				11.1	61.1	6.7			64.4	90
	07		9.7				9.7	38.3	18.7			52.3	300
	10	.7	9.7				9.7	11.7	22.0			32.3	300
	13	1.7	8.0				8.0	7.0	19.3			26.0	300
	16	3.0	9.3			.3	9.3	9.0	18.3			26.0	300
	19	3.7	7.7				7.7	13.7	14.7			26.0	300
	22	3.7	9.7				9.7	23.0	12.0			34.7	300
TOTALS		1.9	9.1			.0	9.1	25.8	15.4			38.8	1990

NAVWEASERVCOM

WEATHER CONDITIONS

147 STATION LAKEHURST, NJ 73-82 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	3.2	5.4				5.4	32.3	19.4			47.3	93
	04		3.2				3.2	51.6	15.1			55.9	93
	07	1.0	3.2				3.9	47.1	27.4			63.5	310
	10	.3	4.8				4.8	3.4	37.7			43.9	310
	13	1.3	5.5				5.5	6.1	32.6			37.1	310
	16	4.2	7.1				7.1	4.8	32.9			36.8	310
	19	2.3	5.5				5.5	9.4	32.3			40.3	310
	22	3.6	5.8				5.8	21.7	27.2			45.6	310
TOTALS		2.0	5.2				5.2	22.7	28.1			46.3	2045

NAVWEASERVCOM

WEATHER CONDITIONS

14710
STATION

LAKESHURST, NJ

STATION NAME

73-82

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.1	2.2				2.2	35.5	23.7			46.2	93
	04	1.1	7.5				7.5	48.4	20.4			51.6	93
	07	.6	5.8				5.8	62.9	21.0			70.0	310
	10	.3	5.8				5.8	12.3	41.3			51.3	310
	13	1.6	4.8				4.8	6.5	37.1			43.2	310
	16	6.1	9.1				3.1	10.6	33.9			43.9	310
	19	3.5	7.4				7.4	16.8	36.1			49.4	310
	22	4.2	6.1				6.1	27.2	27.5			48.9	309
TOTALS		7.3	5.0				6.0	27.5	30.1			50.6	2045

NAVWEASERVCOM

WEATHER CONDITIONS

14787 STATION LAKEHURST, NJ STATION NAME 73-82 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		8.9				8.9	36.7	13.3			40.0	90
	04	2.2	7.8				7.8	45.6	12.2			46.7	90
	07	.3	8.0				8.0	55.3	13.7			56.7	300
	10		6.7				6.7	15.3	23.3			35.0	300
	13	.3	5.3				5.3	8.7	19.3			26.7	300
	16	1.7	7.3				7.3	7.3	20.7			27.0	300
	19	2.7	11.0				11.0	15.3	19.7			32.0	300
	22	1.0	10.3				10.3	25.7	14.3			36.3	300
TOTALS		1.0	8.2				8.2	26.2	17.1			37.8	1980

NAVWEASERVCOM

WEATHER CONDITIONS

14700
STATION

LAKELAND, NJ
STATION NAME

73-82
YEARS

207
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	1.1	5.5				6.5	26.9	5.4			28.7	93
	04		8.6				8.6	71.2	5.4			33.3	93
	07	.3	9.1				9.1	46.3	8.4			51.5	309
	10		9.0		.3		9.0	13.2	14.2			26.5	317
	13		9.4		.3		9.7	7.1	9.7			15.2	317
	16		9.1		.3		8.4	8.7	6.8			14.3	317
	19	.3	9.4				9.4	12.6	6.8			18.1	317
	22	.6	8.7				8.7	17.7	3.2			19.7	317
TOTALS		.3	3.6		.1		8.7	20.5	7.4			25.0	2045

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WEATHER CONDITIONS

14720 STATION LAKEHURST, NJ STATION NAME 73-82 YEARS NOV NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		6.7				6.7	13.3	3.3			16.7	90
	04		7.8				7.8	20.0	3.3			22.2	90
	07		9.3		.2		8.7	18.7	4.7			42.0	300
	10		9.7		.3		10.0	19.7	13.0			30.3	300
	17		9.0		.7		9.3	11.3	7.0			18.0	300
	13		10.3				10.3	9.3	7.0			15.3	300
	12	.7	10.0		.3		10.0	14.7	6.7			21.0	300
	22		13.0		1.0		14.0	15.0	5.0			22.3	300
TOTALS		.1	9.4		.3		9.6	18.1	6.3			23.6	1980

NAVWEASERVCOM

WEATHER CONDITIONS

14776 LAKELAND, NJ 73-82 DFC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		7.0	1.2	3.5		10.5	15.1	1.2			16.3	86
	04		11.9	1.2	2.4		14.1	16.5	1.2			17.6	85
	07		9.7	.6	3.2		13.5	24.5	7.1			30.0	310
	10	.3	12.3	.3	3.2		14.5	19.0	7.1			24.8	310
	13		11.3	.6	2.6		13.5	12.9	4.8			17.4	310
	16		10.0	.3	1.3		11.6	13.2	7.1			19.0	310
	19		11.0	.3	1.9		13.3	13.9	3.2			16.5	309
	22		12.2	.3	3.3		15.5	16.4	3.0	.3		19.1	304
TOTALS		.0	10.7	.6	2.7		13.3	16.4	4.3	.0		20.1	2024

NAVWEASERVCOM

WEATHER CONDITIONS

147 LAXFHRST, NJ 73-82 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		10.2	.3	5.2		15.3	17.1	5.0	.4		21.5	2048
FEB		.2	7.5	.6	5.0		12.5	15.3	5.0	.7		20.0	1833
MAR		.4	12.7	.0	2.6		14.9	19.3	5.4	.0		23.5	2546
APR		.4	10.5		.5		11.2	12.4	4.1	.0		15.0	1980
MAY		1.0	12.3				12.3	23.9	10.4			32.0	2246
JUN		1.9	9.1			.0	9.1	25.8	15.4			36.8	1980
JUL		2.0	5.2				5.2	22.7	28.1			46.3	2045
AUG		2.3	6.0				6.0	27.5	30.1			50.6	2045
SEP		1.0	8.2				8.2	26.2	17.1			37.8	1987
OCT		.3	8.6		.1		8.7	20.5	7.4			25.9	2045
NOV		.1	9.4		.3		9.6	18.1	6.3			23.6	1961
DEC		.0	10.7	.6	2.7		13.3	16.4	4.3	.0		20.1	2024
TOTALS		.8	9.2	.2	1.4	.0	10.5	20.4	11.5	.1		29.7	24077

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1472 STATION LAKEHURST, NJ JANUARY 1973-DECEMBER 1982 YEARS JANUARY MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	11.2		2.4	1.2	1.2	10.7			22.6	1.2	7.1			67.9
NNE	15.3		3.3	6.7	1.7	18.3			36.3	3.3	11.7			40.0
NE	12.2		4.1	2.0	2.0	20.4			40.8		4.1			49.0
ENE	17.7	1.9	9.4		3.8	28.3			32.1	1.9	9.4	3.8		41.5
E	19.0		6.3	4.8	3.2	6.3			28.6	1.6	12.7			47.6
ESE	24.2	3.0	3.0		3.0	9.1			30.3		3.0			57.6
SE	36.7		3.2			3.2			45.2	3.2	9.7			45.2
SSE	21.1	1.8	1.8			3.5			29.8	3.5	7.0			56.1
S	20.0	6.7	5.0			1.7			28.3	1.7				65.0
SSW	15.4	9.2	3.1		1.5	3.1			18.5		4.6			67.7
SW	5.1					3.8			7.6	6.3	3.8			75.9
WSW	7.1	1.6				2.4			9.4	3.1	3.1			78.0
W	1.4	.8	.8			2.2			8.3	1.7	4.7	1.7		84.4
WNW	1.1		.4		.4	4.6			6.0	1.1	6.8	.4		82.9
NW	2.3		1.8	.9	.5	2.3			6.9	1.8	4.6			65.7
NNW	4.4	.9	3.7	.9		4.7			11.2		5.6			75.7
VARIABLE														
CALM	2.4		.6	.3	.3	5.3			9.0	6.3	7.1			76.4
TOTAL	146	19	37	13	12	112			288	48	121	9		1514
% TOTAL	7.1	.9	1.8	.6	.6	5.5			14.1	2.3	5.9	.4		73.9

TOTAL NUMBER OF OBSERVATIONS 2,048

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14771 LAKEHURST, NJ JANUARY 1973-DECEMBER 1982 FEBRUARY
STATION STATE OR NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.3		3.5	2.3	1.2	15.1			19.8		3.5	2.3		73.3
NNE	5.1		6.5		1.7	28.8			28.8		10.2	5.1		47.5
NE	12.3		8.2	2.7	5.5	20.5		1.4	39.7		5.5	2.7		47.9
ENE	9.3		9.0	5.3	2.7	1.3			32.0	2.7	4.0	1.3		58.7
E	15.6	3.1	14.1	1.6	1.6	9.4			40.6	3.1	6.3			43.8
ESE	13.9	5.6	8.3			11.1			50.0		2.8			41.7
SE	14.6	4.9				2.4			36.6	2.4	14.6			51.2
SSE	14.7	2.9	2.9						20.6	5.9	8.8			61.8
S	13.7	1.3				1.3			11.7		1.3			81.8
SSW	4.4	6.8	1.5			1.5			13.2	1.5	4.4			76.5
SW	7.1	1.6							6.3	1.6	1.6			92.2
WSW									4.7	1.2	3.5			91.8
W	2.0	1.2	.8			1.6			4.9	.8	4.9	.8		87.4
WNW	1.7	.4			.4	4.0			6.3	1.8	8.0	.9		82.6
NW	.9	.4	.9	.4		3.9			6.9	1.3	2.6	.9		97.1
NNW	3.2		.8			4.0		1.6	7.9		5.6	.8		83.3
VARIABLE														
CALM	1.7	.4	2.2	.4		3.0			10.5	3.0	7.9			75.7
TOTAL	92	21	45	11	10	94		3	259	77	102	15		1417
% TOTAL	4.4	1.1	2.4	.6	.5	5.1		.2	13.9	1.5	5.5	.8		76.3

TOTAL NUMBER OF OBSERVATIONS 1,852

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PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

147 LAKE HAMPST, NJ JANUARY 1973-DECEMBER 1992 MARCH
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.5	3.5	1.2			9.4			16.5		7.1			75.3
NNE	9.5		9.3		3.7	9.3			35.2		11.1			48.1
NE	15.2		17.8		1.4	9.6			49.3	1.4	4.1			42.5
ENE	27.4	1.2	11.9			7.1		1.2	47.6	1.2	4.3	1.2		41.7
E	14.3	3.1	14.3	1.0	4.1	9.2			35.7	4.1	9.2			43.9
ESE	20.0	4.6	6.2			4.6		1.5	38.5	3.1	12.3			46.2
SE	21.4	1.4	1.4						25.7	2.9	7.1			62.9
SSE	14.9	3.4	1.1						24.1	3.4	9.2			63.2
S	7.3	8.1				.8		2.4	12.1	1.6	4.0			75.8
SSW	8.8	3.8	2.5						15.0		5.0			80.0
SW	3.7	1.2							18.5	1.2	7.4			74.1
WSW	1.3	9.2	1.3					1.3	11.8		7.9			72.4
W	1.3	3.5	.9			1.3		.4	7.4	.4	5.2			83.3
WNW	2.1	2.1				.8			2.9	.4	3.4			89.9
NW	1.3	.9	.4			2.2			2.2	.4	1.8			92.9
NNW	2.9	1.0	3.9			1.9			11.4	1.0	1.9			84.8
VARIABLE														
CALM	2.7		1.1			1.4		.4	16.8	6.8	9.5			64.2
TOTAL	143	51	62	1	7	55		8	346	36	122	1		1470
TOTAL	7.0	2.5	3.0	.0	.3	2.7		.4	16.9	1.2	6.0	.0		72.8

TOTAL NUMBER OF OBSERVATIONS 2,046

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1470 LAKEHURST, NJ JANUARY 1973-DECEMBER 1982 APRIL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	14.1		7.8		1.4	2.8			18.3		1.4			78.9
NNE	7.4	6.3	6.3			3.1			25.0		9.4			62.5
NE	30.5	2.0	16.3					2.0	46.9	4.1	6.1			36.7
ENE	19.4	2.0	8.2						34.7	2.0	6.1			57.1
E	22.4	5.9	4.7			1.2			32.9	2.4	7.1			52.9
ESE	13.2		5.5						32.7		5.5			58.2
SE	8.9	2.5	7.6						21.5	2.5	7.6			69.6
SSE	8.7	5.8	1.4					1.4	15.9	2.9	5.8			75.4
S	9.3	2.6	2.0		.7			.7	15.2	1.3	10.6			72.2
SSW	5.3	7.9	2.6					2.6	9.2		3.9			77.6
SW	1.9	4.6							3.7	3.7	3.7			87.0
WSW	3.6	5.0	.7						5.7		3.6			85.7
W	2.7	1.9				.4			4.3	1.6	5.0			88.4
WNW	1.3	.9				.9			2.2	.4	3.5			91.3
NW	.4	.4				1.8			3.6		.4	.4		95.1
NNW	4.0	1.6				.8			7.3	.8	2.4			89.5
VARIABLE CALM	5.1	2.2	.6			.6		1.1	11.8	1.7	9.0			75.4
TOTAL	127	51	37		2	13		7	231	24	98	1		1597
TOTAL	6.5	2.6	1.9		.1	.7		.4	11.7	1.2	4.9	.1		80.2

TOTAL NUMBER OF OBSERVATIONS 1,957

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

147 STATION LAKEHURST, NJ JANUARY 1973-DECEMBER 1982 MAY MONTH HOURS 1 L.S.T. 1

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.1	6.2	9.2					3.1	12.3	1.5	6.2			73.9
NNE	3.1	6.3	13.6						29.5	4.5	15.9			45.5
NE	12.7	3.6	16.4						34.5	1.8	5.5			54.5
ENE	3.4	.9	16.1						42.0	1.8	8.9			45.5
E	12.3	7.5	7.5						33.1	2.3	11.3			51.1
ESE	14.2	3.7						3.7	26.9	2.8	14.8			54.6
SE	11.7	4.2						2.5	19.2	4.2	15.8			57.5
SSE	11.1	5.1	.8					2.5	19.5	5.1	10.2			63.6
S	8.4	4.2	1.8					.6	18.7	4.2	6.6			69.9
SSW	6.7	2.4							10.8	1.2	7.2			75.9
SA	1.0	1.0	1.0					1.0	7.3	5.2	11.5			76.0
WSW	.9	2.7						.9	4.5	8.1	20.7			67.6
W	.9	2.0						.4	6.5	3.2	14.5			75.8
WNW	2.4	2.9						1.5	7.4	.7	14.7			76.5
NW	3.8	2.3	1.5					.8	3.8	6.0	8.3			80.5
NNW	6.7	2.2	1.1					1.1	10.0	3.3	2.2			82.2
VARIABLE														
CALM	4.3	1.8	.9					.9	24.1	9.2	11.4			56.6
TOTAL	171	66	59					22	353	86	232			1349
TOTAL	17.4	3.2	2.9					1.1	17.3	4.2	11.3			65.9

TOTAL NUMBER OF OBSERVATIONS 2,046

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14711

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

JUNE

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.6	4.9	4.9					6.6	19.7	8.2	8.2			63.9
NNE	4.4		8.9					2.2	26.7	4.4	11.1			57.8
NE	10.2	10.2	6.1					2.0	30.6	8.2	12.2			40.8
ENE	13.4	3.7	3.7						34.1	1.2	6.1			56.1
E	12.7	3.6	5.5				.9	1.8	31.8	1.8	8.2			57.3
ESE	4.5	4.5						1.1	19.1	3.4	12.4			61.8
SE	3.9	2.9	1.0					2.9	21.4	4.9	7.8			64.1
SSE	2.4	3.1						.8	11.8	3.1	13.4			70.9
S	2.2	6.0	2.7					2.7	15.2	3.8	19.0			59.8
SSW	2.5	6.7	1.7					3.4	5.9	4.2	24.4			63.0
SW	1.7	5.9						2.5	6.7	4.2	32.8			55.5
WSW	.9	4.5						2.3	14.3	2.3	34.6			48.9
W	.5	3.7						2.8	9.3	5.6	29.4			55.6
WNW	2.1	2.8						2.1	4.9	3.5	9.0			82.6
NW	2.0							2.0	5.0	6.0	8.0			79.0
NNW		5.5	1.4						5.5	4.1	12.3			75.3
VARIABLE														
CALM	2.6	2.5	.9					.4	24.1	8.8	10.1			52.9
TOTAL	6.9	82	30				1	40	309	92	331			1225
% TOTAL	3.5	4.1	1.5				.1	2.0	15.6	4.6	16.7			61.9

TOTAL NUMBER OF OBSERVATIONS

1,980

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14700

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

JULY

STATION

STATION NAME

YEARS

MONTH

HOURS U.S.T.

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.5	4.5	1.1					4.5	15.7	5.6	23.6			57.3
NNE	4.9		2.4						19.5		17.1			63.4
NE	26.3								26.3	5.3	15.8			47.4
ENE	2.5	5.0	5.0					2.5	22.5	2.5	20.0			50.0
E	5.9	7.4						2.9	29.4		17.6			54.4
ESE	6.3		1.6						17.5		22.2			63.5
SE	1.1	4.4	2.2					2.2	21.1	1.1	26.7			55.6
SSE	3.4	2.6						1.7	10.3	3.4	34.2			53.9
S	1.1	4.8						2.1	11.8	4.8	28.3			54.5
SSW	2.1	4.8						3.4	11.7	2.8	32.4			53.1
SW	1.4	3.6						4.3	12.3	2.9	42.0			44.9
WSW	1.1	2.1						2.1	13.4	5.3	45.5			41.7
W	.8	1.7						1.2	8.3	5.0	37.3			50.2
WNW	.7	.7							5.7	1.4	35.5			58.2
NW		2.6						2.6	7.9	1.8	18.4			70.2
NNW		3.7						1.9	5.6	5.6	15.9			73.8
VARIABLE														
CALM	2.7	1.2						1.6	20.9	14.7	24.4			42.5
TOTAL	44	58	7					42	276	104	618			1087
P. TOTAL	2.2	2.8	.3					2.1	13.5	5.1	30.2			53.2

TOTAL NUMBER OF OBSERVATIONS

2,045

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14700

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.1	5.4	1.4					2.7	12.2	2.7	24.3			58.1
NNE	12.7	3.6						1.8	20.0		10.9			61.8
NE	7.1	11.9						7.1	31.0	4.8	23.8			45.2
ENE	9.2	6.9						3.4	33.3	5.7	17.2			48.3
E	5.6	6.7	2.2					2.2	25.6	6.7	17.8			53.3
ESE	1.7	5.0						1.7	21.7	3.3	30.0			50.0
SE	3.4	3.4						1.1	14.8	4.5	29.5			50.0
SSE	1.3	10.1						3.8	15.2	6.3	36.7			45.6
S	3.5	6.4						4.0	17.9	6.4	32.9			44.5
SSW	1.5	7.9						6.3	18.9	8.7	44.1			32.3
SW		3.9						3.1	14.0	7.0	48.1			34.9
WSW		2.2						2.2	13.2	13.2	49.3			32.4
W	.4	1.4						1.4	11.6	5.1	47.4			39.1
WNW		1.5						1.5	11.2	6.7	33.6			53.0
NW								.9	9.6	4.4	28.9			63.2
NNW	2.4							1.2	6.1	2.4	15.9			76.8
VARIABLE														
CALM	4.1	1.7						1.4	18.5	17.4	19.9			58.1
TOTAL	46	77	3					50	336	164	644			972
% TOTAL	2.3	3.8	.1					2.4	16.5	8.0	31.5			47.6

TOTAL NUMBER OF OBSERVATIONS

2,042

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

147

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.4		2.5					1.3	21.3	2.5	16.3			65.0
NNE	7.4	1.5	8.8					1.5	32.4	2.9	10.3			58.8
NE	23.1	2.8	8.3					.9	33.3	2.8	10.2			52.8
ENE	12.2		8.9						31.1	1.1	21.1			46.7
E	12.2		2.0					2.0	21.0	2.0	13.0			64.0
ESE	9.4		3.1					1.6	15.6	1.6	10.9			70.3
SE	7.7	2.3						1.2	18.6	3.5	22.1			58.1
SSE	5.1	6.1						2.0	12.1	8.1	24.2			56.6
S	.7	3.7						.7	11.9	5.9	22.2			63.7
SSW	2.4	3.7						1.2	19.5	12.2	19.5			51.2
SW	2.3	3.4						1.1	8.0	4.6	20.7			67.8
WSW	1.7	1.0							12.7	9.8	26.5			55.9
W	2.2	1.1	.6					1.1	12.3	8.9	24.6			56.4
WNW	1.3	2.6						1.3	4.5	5.2	20.1			72.1
NW	.8	1.7	2.5					.8	7.6	.9	9.2			81.5
NNW	2.4	2.4						1.2	8.2	3.5	9.4			78.8
VARIABLE														
CALM	.6	1.5	.3					.6	12.0	12.0	12.0			58.2
TOTAL	90	39	34					20	317	140	356			1225
% TOTAL	4.5	2.0	1.7					1.0	16.0	7.1	18.0			61.9

TOTAL NUMBER OF OBSERVATIONS 1,980

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

147 LAKELIJST, NJ JANUARY 1973-DECEMBER 1982 OCTOBER

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.3	2.1	1.0			1.0		1.0	16.7	1.0	9.4			70.8
NNE	17.9	6.0	3.0			1.5			29.9	7.5	11.9			47.8
NE	9.7	1.4	11.1						20.8		5.6			69.4
ENE	12.7	1.3	11.4						21.5	5.1	6.3			65.8
E	12.4	3.8	8.6						26.6	3.8	5.7			59.0
ESE	10.3	1.7						1.7	13.8	6.9	3.4			75.9
SE	5.8	3.8	1.9						23.1	3.8	11.5			61.5
SSE	14.5	6.6							25.0	1.3	7.9			63.2
S	9.3	5.7							14.3	3.8	15.2			61.9
SSW	2.4	8.5						1.2	14.6	3.7	12.2			68.3
SW	2.1								8.2	4.1	12.4			77.3
WSW	4.6	.8							10.8	3.8	14.6			70.8
W	1.3	1.8							6.1	4.3	7.6			81.9
WNW	2.7	1.6						.5	2.7		4.9			89.7
NW	.7	.7							5.5	3.4	4.1			86.2
NNW	4.0	3.0				1.0		1.0	8.9	1.0	2.0			85.1
VARIABLE														
CALM	.6	.6	.3						12.0	14.6	6.0			84.5
TOTAL	176	48	31			3		5	279	102	160			1485
% TOTAL	5.2	2.3	1.5			.1		.2	13.6	5.0	7.8			72.6

TOTAL NUMBER OF OBSERVATIONS 2,045

NAYWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

1474 LAKENORST, NJ JANUARY 1973-DECEMBER 1982 NOVEMBER
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.4	1.4	1.4						20.3		4.1			74.3
NNE	17.2		3.4						31.0	1.7	1.7			65.5
NE	16.7		9.3			1.9			35.2		13.0			48.1
ENE	14.3	2.9	17.1						42.9		8.6			48.6
E	11.1		9.9		1.4	1.4			38.0	4.2	11.3			43.7
ESE	12.2		7.3						26.8		22.0			51.2
SE	13.4		10.2						38.8	6.1	10.2			42.9
SSE	14.6	2.4	4.9						31.7	2.4	7.3			58.5
S	8.8	4.8	2.4						22.4	1.6	4.8			68.0
SSW	6.4	4.3	1.1			1.1		1.1	9.6	5.3	6.4			70.2
SW	2.7	3.0							9.0	2.0	7.0			83.0
WSW	.7	1.4	.7						6.5	1.4	3.6			87.0
W	.9	2.8						.3	5.0	.6	7.9			83.6
WNW		.9				.5			7.1	1.4	4.7			86.7
NW	2.3		.6		.6	1.7			5.7		4.0			89.8
NNW	8.6	1.2	3.7						17.3		2.5			77.8
VARIABLE														
CALM	4.3		1.8						21.4	6.8	8.9			62.9
TOTAL	115	31	51		2	7		2	322	43	135			1449
TOTAL	5.8	1.6	2.6		.1	.4		.1	16.3	2.2	6.8			73.2

TOTAL NUMBER OF OBSERVATIONS 1,980

3

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

14730 LAKEHURST, NJ JANUARY 1973-DECEMBER 1982 DECEMBER
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	15.0			1.3		14.5			27.6	1.3	5.3			56.6
NNE	21.5	1.5	4.6	6.2	3.1	7.7			36.9	1.5	4.6			49.2
NE	23.6	1.4	5.6	5.6	2.8	6.9			37.5		5.6			43.1
ENE	27.5	2.5	12.5			5.0			35.0		7.5			45.0
E	34.6		5.8						34.6		13.5			51.9
ESE	19.4		6.5						19.4	3.2				71.0
SE	12.5	2.5	5.0						27.5		10.0			62.5
SSE	25.0	6.8	4.5						27.3	11.4	6.8			52.3
S	16.2	4.5	.9		.9	.9			19.8	1.8	2.7			66.7
SSW	12.7	2.5	3.8					1.3	20.3	1.3	6.3			65.4
SW	4.2		1.0						7.3	4.2	6.3			83.3
WSW	7.9	1.0	2.9						14.7	2.0	6.9			78.4
W	2.5	.7	1.1		.4	1.1			8.2	2.8	4.3			83.6
WNW	1.2	1.2	.8		.4	3.1			6.2		3.1	.4		87.5
NW	2.1	1.3	.4						2.9	.4	1.7			93.3
NNW	4.3		2.2	1.1	1.1	5.4			12.0					87.0
VARIABLE														
CALM	1.5	.9	1.2			2.0			14.7	2.6	8.1			72.8
TOTAL	161	26	41	10	8	47		1	301	35	101	1		1525
% TOTAL	5.0	1.3	2.0	.5	.4	2.3		.0	14.9	1.7	5.0	.0		75.3

TOTAL NUMBER OF OBSERVATIONS 2,024

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

147

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS LISTED

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.5	2.2	2.4	.4	.3	4.7		1.5	18.6	1.9	9.9	.2		67.4
NNE	11.7	2.0	5.9	1.2	.9	6.2		.5	30.1	2.3	15.2	.5		53.4
NE	17.1	2.5	9.4	1.0	1.1	5.3		1.0	35.9	2.0	8.4	.3		49.0
ENE	14.5	2.2	9.5	.5	.5	2.8		.6	34.8	2.2	10.0	.5		50.4
E	14.6	3.8	6.7	.5	.8	2.0	.1	.8	31.3	2.8	10.9			52.6
ESE	11.9	2.6	2.7		.1	1.4		1.3	25.0	2.3	12.8			58.6
SE	10.0	2.9	2.2			.2		1.2	23.4	3.4	15.4			57.8
SSE	9.5	4.7	.9			.2		1.3	18.4	4.5	16.1			60.7
S	6.6	4.9	1.1		.1	.3		1.4	16.1	3.4	14.6			63.9
SSW	5.2	5.8	1.2		.1	.4		2.1	13.6	3.7	17.1			63.0
SW	2.2	2.6	.2			.3		1.3	9.2	4.0	19.0			68.3
WSW	2.0	2.5	.4			.2		.8	10.3	4.4	20.2			65.6
W	1.5	1.9	.4		.0	.6		.6	7.5	3.1	14.6	.3		74.4
WNW	1.4	1.3	.1		.1	1.5		.4	5.4	1.6	10.2	.2		81.5
NW	1.5	.8	.7	.1	.1	1.3		.4	5.3	1.8	6.0	.1		85.9
NNW	3.9	1.7	1.4	.2	.1	1.6		.7	9.2	1.7	6.1	.1		81.2
VARIABLE														
CALM	2.5	1.1	.8	.1	.0	1.1		.5	17.0	0.5	11.9			61.3
TOTAL	126.2	56.9	43.7	3.5	4.1	33.1	1	20.0	36.17	9.01	30.20	2.7		163.25
% TOTAL	5.2	2.4	1.8	.1	.2	1.4	.0	.8	15.0	3.7	12.5	.1		67.8

TOTAL NUMBER OF OBSERVATIONS

24,074

PRECIPITATION

400D. Federal Building
Shreveville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

1977 LAKEHURST, NJ 41-80
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	10.0	14.5	2.3	5.2	3.9	7.9	6.2	4.5	2.1	.1				33.2	1023	3.33	9.12	.46
FEB	4.0	16.2	3.4	6.0	3.2	7.4	5.1	5.4	2.4					33.6	760	3.12	7.15	1.13
MAR	0.4	16.7	2.9	6.1	4.5	5.8	7.2	6.0	2.5					34.2	1054	3.76	7.78	.53
APR	10.0	14.3	2.1	7.7	4.3	7.0	6.9	5.4	1.9	.1				36.1	1080	3.30	6.53	.93
MAY	4.4	17.6	3.3	7.4	5.6	6.2	5.3	4.7	1.7	.2				35.1	992	3.25	7.47	.53
JUN	13.7	12.2	3.0	6.2	4.2	7.3	5.1	4.7	2.6	.2				33.3	990	3.38	7.24	.11
JUL	17.3	14.9	1.8	5.0	3.0	4.5	5.6	4.3	2.8	.8				27.8	1054	3.26	9.90	1.14
AUG	5.0	14.2	2.1	4.7	3.4	6.5	4.3	4.5	3.1	1.0				29.6	1116	4.45	10.50	.21
SEP	11.0	12.2	2.5	5.1	3.5	5.3	3.4	4.0	2.4	.6				26.9	1090	3.41	10.13	.51
OCT	10.3	11.5	2.6	4.6	1.9	5.7	2.5	3.4	2.0	.5				24.1	1023	3.22	7.17	.22
NOV	5.0	12.1	2.4	7.0	3.6	5.4	4.4	5.8	3.0	.1				31.7	1050	3.62	9.03	.40
DEC	17.0	17.3	2.7	5.2	3.7	6.0	6.0	5.8	3.1	.2				32.7	1023	3.91	8.74	.51
ANNUAL	5.3	14.4	2.6	6.1	3.8	6.2	5.2	4.9	2.5	.3				31.7	12445	2.71		

NAVWEASERVCOM

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

1477 LAKETHURST, NJ 45-77, 79-82

STATION STATION NAME YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	24.7	12.0	5.2	3.0	1.8	1.2	.6	.4	.4					17.7	930	1.2	21.0	.1
FEB	22.3	14.0	3.2	3.7	1.7	1.0	.4	.0	.0	.1				11.7	818	6.3	27.8	TRACE
MAR	.0	11.9	1.0	2.3	1.5	.5	.1	.3	.0	.2	.1			7.5	941	1.6	34.5	.0
APR	55.0	7.2	.3	.3	.2	.2								1.0	1020	.4	3.9	.0
MAY	52.2	.1													950	TRACE	TRACE	.0
JUN	49.0	.1													960	TRACE	TRACE	.0
JUL	50.0														1023	.0	.0	.0
AUG	50.0														1023	.0	.0	.0
SEP	50.0														961	.0	.0	.0
OCT	50.0	.0	.1											.1	930	TRACE	.1	.0
NOV	50.7	4.5	.7	.2				.0	.1					.0	960	.6	7.0	.0
DEC	.0	11.1	2.0	2.4	1.1	.4	.7	.2	.4					6.0	970	0.5	18.7	.0
ANNUAL	11.7	4.9	1.1	1.0	.5	.3	.1	.2	.2	.1	.0			7.4	11445	27.6		

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION 16 WINDST, J STATION NAME 49-42 YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	13.7	14.1	4.1	4.1	3.7	5.1	3.8	.8						23.4	292			
FEB	14.4	4.7	3.7	2.2	4.3	2.8	1.7							20.1	275			
MAR	14.1	3.1	2.3	.7	2.3	1.1	.5							10.1	961			
APR	14.1	.1	.2	.1	.2									.5	960			
MAY	14.1														961			
JUN	14.1														930			
JUL	14.1														992			
AUG	14.1														992			
SEP	14.1														992			
OCT	14.1	.1													930			
NOV	14.1	1.1	.1											.1	960			
DEC	7.9	1.3	4.5	1.8	1.8	1.2	.7							9.6	961			
ANNUAL	1.1	3.7	1.6	1.8	.7	1.1	.7	.2						5.3	11504			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

1-7 STATION LAKEHURST, NJ 45-57 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.64	.82	.91	1.06	.81	1.10	.53	2.15		
46		.73	.61	.37				3.21			.26	1.13	
47	.87	.60	1.00	.67		.36		1.61	.54	.94			
48		.30		1.45	1.00		1.40	1.08	.99	.52	.49	.99	
49	1.07	.93	1.05	.51		.01	.59	2.46	.83		.83		
50	.24	.50	.91	.79		.95	1.15	1.62	2.84	1.82	1.60	.66	
51	.63	1.57	2.24	.69	.94	.67	.83	.79	.71	2.85	1.49	1.23	2.75
52	1.01	1.13	1.72	2.52	1.60	.60	.63	3.76	.99	.92	.92	1.84	3.76
53	1.04	1.67	1.94	.96	.76	2.23	4.22	2.19	.40	1.16	1.60	1.96	4.72
54	.80	.95	.77	1.86	1.72	.17	.60	2.29	4.68	.51	1.39	1.53	4.88
55	.15	1.04	1.01	.76	.87	1.12	.66	3.81	1.30	2.79	.59	.30	3.61
56	.51	1.47	1.05	1.42	.53	.99	3.05	.98	1.72	1.68	1.05	1.77	3.55
57	.33	1.13	.96	1.34	.24	3.03	1.40	.68	.70	.95	.93	3.00	3.73
58	1.03	1.51	1.52	1.19	1.73	1.31	1.42	3.31	3.14	2.36	.75	.77	4.73
59	.47	.69	1.45	.58	1.83		2.41	1.13	.39	2.13	2.19	2.05	
60	1.47	1.82	1.33	.82	.80	1.55	1.43	1.07	4.68	.81	.80	.79	4.68
61	1.47	.76	1.89	1.98	1.51	1.57	.98	1.67	1.83	1.36	1.40	1.55	1.68
62	1.64	.62	2.03	.89	1.00	1.37	1.82	2.09	2.25	1.52	1.29	.71	2.25
63	.50	.90	1.09	.73	.54	.95	1.03	.82	1.27	.23	2.08	.73	2.08
64	.95	.96	.63	.98	.25	1.54	3.97	.36	1.51	1.57	.81	1.55	3.97
65	1.02		1.51	.33	.49	.86	1.63	.63	.55	.72	.44	.76	
66	1.61	2.43	.30	.85	.92	1.83	1.22	.51	3.62	2.96	.75	.91	3.62
67	.94	.80	1.64	1.15	1.34	1.35	1.60	2.87	.82	.76	.70	1.39	2.87
68	2.03	.70	1.16	1.24	4.63	5.00	1.38	2.61	.70	1.27	2.16	1.10	5.70
69	.60	1.20	1.17	.96	1.03	1.12	2.87	.44	2.25	.66	.76	2.35	2.87
70	.44	1.03	.98	2.05	.54	1.27	.44	1.85	1.07	.35	.80	1.37	2.05
71	.55	1.58	.68	1.32	2.27	.31	.52	3.67	1.66	1.83	1.69	1.19	3.67
72	.55	1.57	.93	1.05	.95	1.14	.85	1.09	.25	2.72	2.16	.93	2.72
73	1.43	1.73	1.70	1.54	.76	1.79	.94	.79	1.26	4.39	.29	1.73	4.39
74	.62	.81	1.21	1.12	.43	1.26	.95	1.23	1.30	1.39	1.39	2.88	2.38
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

107 1017 HURST, NJ 48-07
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	1.01	.66	.74	1.00	1.29	1.07	1.25	.79	2.00	1.20	1.23	1.27	2.00
76	1.23	.38	.60	.61	.98	1.12	.41	3.21	.36	2.00	.31	1.31	3.21
77	1.82	1.06	1.66	.49	.32	1.16	4.09	2.91	2.04	1.10	4.13	1.22	4.13
78	1.37	1.31	.97	1.05	3.32	.53	3.49	3.00	.99				
79									1.04		1.52	.57	
80	.33	1.04	.36	.85	1.57	2.45	1.17	1.13	1.89	.64	.38	1.27	2.45
81	1.66	.83	.67	1.00	.93	1.34	3.12	.80	.72	1.40	1.40	1.04	3.12
MEAN	1.03	1.00	1.15	1.04	1.10	1.38	1.60	1.79	1.52	1.46	1.22	1.20	1.32
S. D.	.724	.447	.492	.483	.905	.905	1.111	1.067	1.129	.924	.772	.616	.900
TOTAL OBS.	1023	960	1054	1080	992	990	1054	1116	1080	1023	1050	1023	12445

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

1-7 STATION LAKEHURST, NJ 48-50 YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41		.54 22	.69 30									1.11 30	PRECIP DAYS
42	.34 30				1.15 30	.49 26	.95 30		1.09 28	.49 30			PRECIP DAYS
43					1.31 28		.84 30				2.26 27	1.71 30	PRECIP DAYS
44	1.7 30		.5 30			.65 29							PRECIP DAYS
45					.8 30							.34 30	PRECIP DAYS
46					.64 30								PRECIP DAYS
47						.37 29							PRECIP DAYS
48		1.1 27											PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

ONE YEAR
(FROM DAILY OBSERVATIONS)

167 LAKEHURST, NJ 45-77, 79-82
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46				.0	.0	.0	.0	.0	.0				
46			.7	.0			.0	.0			.0	.5	
47	.5		.7	.2						.0			
47				.2	.2		.0	.0		.0	.0		
48	3.8	9.6	1.5	.0		.0	.0	.0	.0	.0	.0		
48	.5	.7	1.5	.0	.0	.0	.0	.0	.0	.0	.5	.7	1.5
49	4.8	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.1	4.6	4.8
49	3.0	.2	7.7	.2	.2	.2	.2	.0	.2	.0	1.0	1.7	7.0
50	2.8	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
50	8.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0
51	1.5	4.7	2.8	.0	.0	.0	.0	.0	.0	.0	5.1	1.0	5.1
51	2.6	3.0	3.5	2.9	.0	.0	.0	.0	.0	.0	.0	1.5	8.0
52	2.0	2.1	2.3	.0	.0	.0	.0	.0	.0	.1	.2	5.0	5.0
52	5.0	12.8	18.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	18.0
53	2.7	.0	1.3	1.6	.0	.0	.0	.0	.0	.0	.2	3.0	3.0
53	2.5	3.0	12.4	.0	.0	.0	.0	.0	.0	.0	.0	7.8	12.4
54	9.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	9.0
54	.4	2.7	8.7	.0	.0	.0	.0	.0	.0	.0	.0	2.0	8.0
55	2.7	1.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	7.2	7.2
55	9.6	4.5	2.2	.0	.0	.0	.0	.0	.0	.0	.0	2.0	9.6
56	9.9	2.0	2.5	3.7	.0	.0	.0	.0	.0	.0	.0	.0	9.9
56	4.7	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0	5.0
57	1.7	3.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0	2.6	3.0
57	2.0	2.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	4.0	4.0
58	1.4	7.0	11.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	11.0
58	4.2	2.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	1.5	4.2
59	4.4	.6	2.5	1.1	.0	.0	.0	.0	.0	.0	.0	.3	4.4
59	3.1	3.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	3.4
60	.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5
60	3.3	3.3	.7	.3	.0	.0	.0	.0	.0	.0	.0	.1	3.3
MEAN													
S.D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO OF ALL
(FROM DAILY OBSERVATIONS)

147 STATION LAKEHURST, NJ 45-77, 79-82 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	2.3	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.3
76				.0		.0	.0						
77				.0		.0	.0	.0	.0				
78										.0	.0		
79	3.3	.0	3.6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.6
80	4.0	1.0	.8	2.0	.0	.0	.0	.0	.0	.0	.0	6.5	6.5
MEAN	3.50	3.15	3.15	.33	.00	.00	.00	.00	.00	.00	.59	2.25	6.58
S.D.	2.65	3.25	4.33	.81	.00	.00	.00	.00	.00	.01	1.58	2.24	3.66
TOTAL OBS.	93	81	96	102	83	86	102	102	96	93	76	93	1145

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
147	LAKELAKE, NJ	45-77, 79-82

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO DEPTH
(FROM DAILY OBSERVATIONS)

147 STATION LAKEHURST, NJ 45-81 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46								0					
47													
48													
49													
50			20	0	0	0	0	0	0	0	0	0	0
51		10	0	0	0	0	0	0	0	0	0	1	10
52	5	0	7	0	0	0	0	0	0	0	0	1	7
53	1	0	3	0	0	0	0	0	0	0	0	0	3
54	0	0	0	0	0	0	0	0	1	0	0	0	0
55	1	4	1	0	0	0	0	0	0	0	1	0	4
56	0	0	12	3	0	0	0	0	0	0	0	1	10
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	20	12	0	0	0	0	0	0	0	0	0	20
59	4	0	1	0	0	0	0	0	0	0	0	0	4
60	0	1	16	0	0	0	0	0	0	0	0	12	16
61	14	11	0	0	0	0	0	0	0	0	0	4	14
62	1	2	4	0	0	0	0	0	0	0	0	1	4
63	0	2	0	0	0	0	0	0	0	0	0	0	0
64	10	5	4	0	0	0	0	0	0	0	0	0	10
65	10	2	4	3	0	0	0	0	0	0	0	0	10
66	12	15	0	0	0	0	0	0	0	0	0	4	15
67	1	16	2	0	0	0	0	0	0	0	0	0	16
68	4	1	5	0	0	0	0	0	0	0	0	0	5
69	1	7	14	0	0	0	0	0	0	0	0	0	14
70	0	0	1	0	0	0	0	0	0	0	0	1	0
71	4	1	2	0	0	0	0	0	0	0	0	0	4
72	4	3	0	1	0	0	0	0	0	0	0	0	4
73	0	1	0	0	0	0	0	0	0	0	0	1	1
74	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
147	LAKELHURST, NJ	45-67

DAILY SNOW DEPTH IN INCHES

[illegible]

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
147	LAUREST, MO	45-20

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

14780

LAKEHURST, NJ

1946-1978 1981-1992

STATION

STATION NAME

YEARS

JANUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4	43	1946	4.9	112	1971
2	0.4	16	1966	0.3	8	1948
3	1.0	35	1960	0.5	13	1968
4	0.4	42	1937	0.4	10	1968
5	0.5	16	1952	0.	5	1972
6	1.0	42	1962	3.6	91	1977
7	0.5	14	1976	5.5	140	1953
8	0.5	19	1953	2.3	58	1953
9	1.0	26	1953	3.3	84	1974
10	1.2	46	1977	9.9	251	1965
11	0.0	20	1954	8.0	203	1954
12	0.4	12	1963	2.5	64	1967
13	1.0	36	1967	9.6	244	1967
14	0.4	12	1953	2.5	64	1982
15	1.4	37	1961	3.2	81	1965
16	0.2	13	1954	4.0	102	1965
17	0.4	25	1978	2.8	66	1958
18	0.5	15	1975	0.5	13	1967
19	0.5	23	1961	9.2	234	1961
20	1.7	35	1978	4.8	122	1970
21	1.0	26	1949	1.0	25	1982
22	1.0	50	1958	1.9	38	1955
23	1.6	41	1966	4.4	112	1966
24	0.2	26	1965	1.0	33	1967
25	0.3	67	1958	0.3	13	1946
26	0.4	14	1978	3.4	46	1961
27	1.4	38	1977	2.3	58	1959
28	0.1	37	1967	3.1	79	1977
29	0.4	24	1973	1.0	25	1981
30	0.4	12	1966	4.7	119	1966
31	0.5	17	1949	4.2	122	1951
Monthly	0.3	12	1958	9.9	251	1965

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4	11	1958	4.5	114	1950
2	1.7	45	1977	4.7	119	1955
3	1.1	30	1977	4.3	109	1961
4	0.6	17	1952	3.7	94	1948
5	0.4	12	1967	2.0	51	1975
6	1.7	33	1978	2.1	53	1957
7	1.5	47	1971	8.0	203	1967
8	0.1	21	1974	8.2	211	1974
9	1.2	30	1969	7.0	178	1969
10	1.0	26	1957	6.0	152	1967
11	0.5	22	1956	4.5	114	1964
12	0.9	25	1963	1.5	38	1975
13	2.4	62	1966	3.0	76	1967
14	0.6	17	1960	2.0	51	1970
15	1.6	42	1953	8.0	203	1955
16	1.2	33	1950	12.8	325	1958
17	1.1	28	1952	4.0	102	1945
18	1.2	46	1967	4.5	114	1967
19	1.0	38	1972	2.6	66	1964
20	1.0	26	1981	2.2	56	1947
21	1.9	40	1951	1.6	41	1947
22	0.0	23	1971	0.7	18	1950
23	0.7	19	1961	3.4	76	1972
24	1.0	27	1977	5.0	127	1966
25	1.1	20	1960	4.6	117	1974
26	0.7	20	1957	1	1	1944
27	1.0	38	1950	0.7	18	1967
28	0.4	25	1958	9.6	244	1949
29	0.3	10	1968	2.0	51	1968
30						
31						
Monthly	2.4	62	1966	12.8	325	1958

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

16787

LAKEHURST, NJ

1 41-1 78 1981-1982

STATION

STATION NAME

YEARS

MARCH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	24	1957	7.0	178	1952
2	1.1	2	1949	11.0	279	1969
3	1.2	31	1967	12.4	315	196
4	1.1	22	1952	6.7	17	1961
5	1.1	33	1965	3.6	91	1981
6	1.4	37	1959	6.0	203	1962
7	1.1	42	1967	5.	127	1969
8	1.1	41	1961	5.	127	1953
9	1.0	15	1976	1.6	38	1962
10	1.	9	1959	1.6	41	196
11	1.3	44	1952	1.6	38	1949
12	1.03	52	1962	2.2	56	1964
13	1.04	48	1953	2.3	5	1956
14	1.1	35	1961	6.6	168	1958
15	1.1	27	1953		7	1975
16	1.3	23	1974	5.5	14	1956
17	1.3	34	1960	2.8	64	1965
18	1.1	27	1968	5.	127	1956
19	1.12	2	1961	8.5	216	1956
20	1.2	39	1958	18.	457	1958
21	1.21	31	1974	2.7	74	1958
22	1.16	42	1977	2.1	53	1964
23	1.3	48	1961	2.5	64	1971
24	1.77	20	1953	1.2	3	1956
25	1.3	19	1967	1.0	25	1965
26	1.1	43	1977	0.3	8	1960
27	0.1	23	1950	1.3	33	1959
28	0.1	16	1964	0.2	5	1959
29	0.1	5	1970	0.9	23	1970
30	0.24	57	1951		7	1969
31	0.22	31	1967	0.1	3	1956
Monthly	0.24	57	1951	18.0	457	1958

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.4	37	1948		7	1970
2	2.1	52	197	3.	76	1945
3	0.4	20	1975		7	1975
4	1.14	6	1973		7	1952
5	0.4	21	1957		7	1954
6	1.2	34	1971	2.	51	1982
7	1.2	36	1956	1.0	25	1956
8	0.7	25	1973	2.	74	1956
9	1.12	2	1974	0.7	18	1982
10	0.6	24	1953	0.3	8	1974
11	0.4	16	1958		7	1977
12	0.3	21	1981	1.	41	1959
13	1.48	5	1961		7	1966
14	1.7	47	1970		7	1953
15	1.11	2	1970			
16	1.1	27	1972		7	1962
17	1.3	34	1954			
18	0.75	19	1953			
19	1.05	27	1978			
20	0.77	20	1970		7	1953
21	0.20	5	1945			
22	0.16	24	1960			1972
23	1.16	47	1954			
24	1.24	31	1969		7	1954
25	1.0	28	1975			
26	0.4	21	1973			
27	2.12	64	1950		7	1967
28	1.19	3	1958			
29	0.63	24	1964			
30	0.3	19	1963			
31						
Monthly	2.12	64	1952	3.	76	1945

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1977 1981-1982

1947-1976 1981-1982

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	27	1947			1967
2	0.1	13	1981			
3	0.1	31	1948			
4	0.2	33	1975			
5	0.8	23	1958			
6	0.1	13	1956			
7	1.3	34	1967			
8	0.2	44	1954			
9	0.2	26	1979			
10	0.8	23	1945			
11	0.5	40	1981			
12	0.1	15	1967			
13	1.0	46	1959			
14	1.1	28	1946			
15	0.1	17	1953			
16	0.2	50	1971			
17	0.1	16	1944			
18	0.1	13	1953			
19	0.1	23	1966			
20	1.0	26	1959			
21	1.0	42	1960			
22	1.0	33	1947			
23	0.1	23	1951			
24	0.1	6	1973			
25	0.1	45	1972			
26	1.0	33	1961			
27	0.1	12	1949			
28	0.1	26	1958			
29	4.3	118	1968			
30	0.0	20	1945			
31	0.1	9	1952			
Monthly	4.3	118	1968			1963

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	21	1946			
2	0.9	25	1951			
3	0.45	12	1963			
4	0.75	24	1957			
5	0.70	18	1975			
6	0.2	16	1977			
7	0.5	14	1947			
8	0.9	25	1946			
9	1.1	29	1977			
10	0.3	11	1951			
11	0.0	24	1946			
12	0.00	127	1968			
13	1.03	36	1953			
14	1.12	27	1969			
15	1.5	39	1957			
16	1.2	34	1982			
17	0.24	7	1982			
18	1.1	27	1972			
19	1.3	34	1967			
20	2.4	62	1981			
21	1.20	30	1970			
22	0.23	57	1957			
23	1.0	27	1974			
24	3.03	77	1957			
25	0.44	24	1981			
26	1.13	29	1962			
27	0.6	22	1960			1982
28	1.3	46	1966			
29	1.34	34	1972			
30	1.77	45	1973			
31						
Monthly	5.00	127	1968			1982

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

1947-1977
STATION NAME

1947-1975 1981-1987
YEARS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	0	1945			
2	0.0	0	1946			
3	0.4	9.7	1970			
4	0.22	5.6	1966			
5	0.1	2.5	1956			
6	0.2	5.1	1958			
7	0.0	0	1947			
8	0.0	0	1964			
9	0.0	0	1964			
10	0.1	2.5	1959			
11	0.0	0	1965			
12	0.0	0	1977			
13	0.0	0	1975			
14	0.0	0	196			
15	0.4	9.7	1950			
16	0.0	0	1961			
17	0.0	0	1945			
18	0.0	0	1962			
19	0.0	0	1969			
20	0.0	0	1981			
21	0.0	0	196			
22	0.0	0	1958			
23	0.22	5.6	1953			
24	0.0	0	1974			
25	0.0	0	1964			
26	0.1	2.5	1963			
27	0.0	0	1958			
28	0.1	2.5	1980			
29	0.0	0	1969			
30	0.1	2.5	1967			
31	0.0	0	1950			
Monthly	0.0	0	1973			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.1	2.5	1977			
2	0.0	0	1973			
3	0.7	17.8	1967			
4	0.0	0	1973			
5	0.7	17.8	1978			
6	0.0	0	1952			
7	0.0	0	1946			
8	0.13	3.3	1981			
9	0.21	5.3	1976			
10	0.3	7.6	1952			
11	0.3	7.6	1973			
12	0.1	2.5	1955			
13	0.1	2.5	1955			
14	0.1	2.5	1957			
15	0.0	0	1977			
16	0.4	9.7	1950			
17	0.1	2.5	1947			
18	0.0	0	1972			
19	0.21	5.3	1946			
20	0.8	20.3	1949			
21	0.12	3.0	1954			
22	0.1	2.5	1968			
23	0.67	17.0	1961			
24	0.1	2.5	1977			
25	0.31	7.9	1958			
26	0.0	0	1972			
27	0.67	17.0	1971			
28	0.0	0	1962			
29	0.0	0	1949			
30	0.0	0	1952			
31	0.0	0	1978			
Monthly	0.1	2.5	1955			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

107. 11. 8. 55, ...

147-1078 198 - 1992

STATION NAME

YEARS

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

2070555

MONTH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.9	25	1953			
2	.2	44	1956			
3	.2	57	1969			
4	.1	13	1969			
5	.1	1	1977			
6	.2	32	1977			
7	.1	22	1974			
8	.9	25	1953			
9	.1	5	1961			
10	.2	44	1954			
11	.1	14	1954			
12	.1	114	1965			
13	.1	72	1977			
14	.1	53	1966			
15	.1	25	1965			
16	.1	4	1965			
17	.1	52	1977			
18	.1	25	1945			
19	.1	25	1975			
20	.1	4	1977			
21	.1	22	1956			
22	.1	14	1947			
23	.1	53	1977			
24	.1	33	1977			
25	.1	71	1975			
26	.1	25	1975			
27	.1	25	1953			
28	.1	23	1964			
29	.1	23	1954			
30	.1	25	1946			
31						
Monthly	.3	124	1954			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.1	29	1953			
2	1.23	31	1961			
3	1.34	35	1961			
4	2.28	7	1962			
5	1.2	39	1962			
6	1.14	29	1954			
7	2.05	72	1951			
8	0.52	15	1969			
9	1.2	36	1976			
10	1.2	33	1971			
11	1.21	31	1951			
12	0.24	11	1951			
13	2.02	2	1962			
14	2.75	71	1955			
15	1.12	31	1955			
16	1.27	35	1974			
17	1.57	40	1964			
18	1.61	43	1956			
19	2.05	75	1966	1	1	1972
20	2.00	51	1976	1	1	1962
21	0.6	17	1963			
22	1.7	47	1959			
23	1.2	46	1957			
24	0.13	54	1959	1	1	1960
25	2.3	60	1958			
26	1.1	46	1971	1	1	1962
27	2.04	11	1977	0.1	1	1957
28	1.01	36	1972	1	1	1955
29	1.3	112	1973	1	1	1962
30	1.11	27	1955			
31	1.6	42	1956			
Monthly	4.2	112	1973	0.1	1	1957

* ALSO ON EARLIER YEARS

T - TRACE. AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

STATION NAME
STATION

YEARS
1947-1978 1980-1987

MONTH
NOVEMBER

MONTH
DECEMBER

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	25	1951			
2	1.0	35	1974			1963
3	1.3	34	1951	0.1		1951
4	0.2	57	1947			
5	0.5	19	1969			1955
6	0.1	30	1963	4.0	122	1957
7	0.1	105	1977			
8	0.1	35	1975			
9	0.1	13	1959			
10	0.2	33	1962			1971
11	0.1	11	1947			
12	0.1	25	1964			1960
13	0.1	36	1982			1962
14	0.1	52	1972			1975
15	0.1	19	1970			1972
16	1.0	35	1974			1973
17	1.0	27	1956			1980
18	0.1	24	1964			1962
19	0.8	23	1940	5.1	130	1955
20	1.0	36	1961			1968
21	0.02	23	1952			1950
22	1.07	35	1945			1971
23	1.2	31	1953	0.2	5	1957
24	0.1	56	1959			1971
25	0.6	43	1971			1971
26	0.7	20	1951			1957
27	0.6	17	1971			1949
28	0.1	55	1945	0.5	13	195
29	0.1	53	1963	0.2	5	1950
30	0.1	30	1972	7.0	178	1967
31						
Monthly	0.1	15	1977	7.0	178	1967

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.9	25	1977			1969
2	0.2	16	1974	0.6	15	1952
3	1.0	35	1967	1.5	38	1957
4	1.3	34	1964	3.8	97	1957
5	1.22	31	1977			1963
6	1.2	30	1950			1970
7	1.1	33	1976	0.2	5	1959
8	1.20	30	1974	0.6	15	1975
9	1.02	36	1973	1.3	33	1961
10	1.12	28	1969	1.9	48	1945
11	0.75	20	1960	7.8	198	1960
12	1.05	39	1964	7.9	201	1960
13	0.76	19	1965	0.1	3	1945
14	1.06	47	1953	4.6	117	1951
15	1.27	32	1981	4.0	102	1969
16	0.8	73	1974	2.1	53	1981
17	1.37	35	1970	0.6	15	1973
18	1.05	27	1961	0.5	13	1946
19	0.75	20	1948	7.8	198	1948
20	1.01	43	1957	2.0	51	1964
21	1.04	47	1952	2.0	51	1962
22	1.18	30	1969	3.0	76	1959
23	0.77	20	1963	7.2	183	1963
24	0.40	10	1966	4.0	102	1966
25	1.11	28	1945	1.4	36	1969
26	3.10	76	1957	17.0	432	1947
27	0.40	15	1964	0.3	8	1970
28	2.05	52	1959	0.1	3	1966
29	0.01	23	1966	2.3	58	1960
30	0.09	25	1948	0.4	10	1960
31	0.57	14	1948	2.6	66	1967
Monthly	0.00	76	1957	17.0	432	1947

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

WINDS (SPC)

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND
(FROM DAILY OBSERVATIONS)

147 STATION 1470001, NJ 43-50 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46		W 50W 60W	60W	60W 60W	60W 60W	37W 55W	34W 55W	34W 55W	43W 55W	43W 55W	43W 55W	43W 55W	
47		W 51W 51W	51W	51W 51W	51W 51W	42W 51W	42W 51W	42W 51W	42W 51W	42W 51W	42W 51W	42W 51W	
48		W 41W 41W	41W	41W 41W	41W 41W	39W 41W	39W 41W	39W 41W	39W 41W	39W 41W	39W 41W	39W 41W	
49		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
50		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
51		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
52		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
53		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
54		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
55		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
56		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
57		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
58		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
59		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
60		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
61		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
62		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
63		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
64		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
65		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
66		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
67		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
68		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
69		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
70		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
71		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
72		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
73		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
74		W 44W 44W	44W	44W 44W	44W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	39W 44W	
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

1.7.5

45-37

STATION NAME

YEARS

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

47 LAKEHURST, NJ 45-52
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS
BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	4 27												WINDY DAYS
47												26	WINDY DAYS
48	4 1								SW 37 26				WINDY DAYS
49		SW 40 27											WINDY DAYS
50							SW 37 25						WINDY DAYS
51	27 54 23				SE 33 26								WINDY DAYS
52												19 4 26	WINDY DAYS
53	31 37 27							SE 40 26					WINDY DAYS
54				27 36 17									WINDY DAYS
55									25 27 16				WINDY DAYS
56			27 30 27					SE 27 25			SE 32 19		WINDY DAYS
57							16 33 18						WINDY DAYS
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN													
S D													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAKESIDE, N.C. YEARS 73-75 MONTH JAN

ALL WEATHER CLASS 71 HOURS (L.S.T.) 21

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.2									5.4	5.4
NNE	1.1	1.1										3.2	7.3
NE	1.1											1.1	1.1
ENE													
E	1.1	1.1										2.2	3.0
ESE	1.1	1.1	1.1									3.2	5.7
SE			1.1									1.1	10.0
SSE	4.3		1.1									5.4	3.8
S	1.1			1.1								2.2	7.0
SSW	1.1	1.1	1.1									3.2	5.0
SW	4.3	1.1	1.1									8.6	3.5
WSW		4.3	2.2									6.5	5.8
W	1.1	2.2	5.4	1.1								11.8	6.5
WNW	2.2	2.2	3.2	4.3								11.8	8.1
NW	1.1	2.2	2.2			1.1						6.5	8.5
NNW			2.2									2.2	7.5
VARBL													
CALM												25.6	
	25.3	18.3	22.6	6.5		1.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 93

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 1825 HURST, NJ STATION NAME 73-75 YEARS JAN
ALL WEATHER MONTH 04
 CLASS NOV 1955 (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	1.1									4.7	4.0
NNE	2.2											3.2	2.5
NE	1.1	1.1	1.1									3.2	4.0
ENE	2.2											2.2	2.5
E	2.2											3.2	2.3
ESE		1.1		1.1								2.2	11.0
SE	1.1	2.2	1.1									4.3	5.0
SSE	1.1											1.1	3.0
S		1.1										1.1	5.0
SSW		1.1	2.2									3.2	7.3
SW	2.2											3.2	2.7
WSW	2.2	2.2	1.1									6.5	3.8
W	4.3	6.5	3.2	2.2								16.1	5.8
WNW	1.1	2.2	3.2	1.1								7.5	6.9
NW	2.2		1.1	3.2								6.5	9.2
NNW	2.2	2.2	1.1									5.4	4.8
VARBL													
CALM												28.0	
	25.0	20.4	15.1	7.5								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 93

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 LAKEHURST, NJ STATION NAME LAKEHURST YEARS 1947-48 MONTH 188
CLASS ALL WEATHER HOURS (LST) 77
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.3	1.7	0.6									4.2	3.7
NNE	1.7	0.6	0.7									2.3	4.4
NE	0.6	0.6	0.6									1.9	5.7
ENE	1.7	0.6		0.7								2.3	4.9
E	1.7	1.0	0.3									2.0	4.0
ESE	0.5	1.7	1.0									2.6	5.8
SE	0.5		0.5									1.3	5.3
SSE	1.0	0.5	0.3									1.9	4.3
S	0.7		0.7	0.3	0.3							1.7	10.5
SSW		1.1	0.5									1.6	6.6
SW	1.3	1.5	0.3	0.3								4.2	4.4
WSW	2.0	1.3	1.0	0.6	0.6							6.1	6.7
W	7.5	4.5	4.5	4.5	1.0							18.0	7.9
WNW	0.7	2.5	3.7	1.9								11.3	6.7
NW	0.6	2.6	3.5	1.6								10.3	6.6
NNW	0.3	1.0	0.6	0.3								4.2	4.6
VARBL													
CALM												24.1	
	24.8	20.6	16.6	10.0	1.9							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 311

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 67 STATION NAME LAKE HURST, N.J. YEARS 73-82 MONTH JAN
CLASS ALL WEATHER HOURS (L.S.T.) 10
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.3									6.4	4.1
NNE	.3	.3	.3									4.2	5.5
NE	.3	.3	.3									3.2	4.2
ENE	.3	.3	.3		.3							2.8	6.2
E	.3	.3	.3									2.3	5.1
ESE	.3	.3	.3									2.5	5.4
SE	.3	.3	.3									1.3	4.0
SSE	.3	.3	.3	.3								2.9	6.7
S	.3	.3	.3	.3								2.9	7.6
SSW	.3	.3	.3	.3								2.3	9.6
SW	.3	.3	.3	.3	.3							4.2	7.4
WSW	.3	.3	.3	.3	.3	.3						3.2	10.2
W		.3	.3	.3	.3	.3						19.9	11.4
WNW	.3	.3	.3	.3	.3	.3						15.4	10.0
NW	.3	.3	.3	.3								11.6	8.6
NNW	.3	.3	.3	.3								6.4	7.7
VARBL													
CALM												6.4	
	10.5	27.0	27.0	21.2	4.5	1.0						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 311

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1071 STATION 1071-1071 STATION NAME 73-52 YEAR MONTH JAN 1953
ALL WEATHER CLASS 13 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0									4.2	5.6
NNE				3								2.3	6.6
NE	1.0	1.0	7									2.9	4.2
ENE	1.0		7		3							2.9	5.6
E	1.0	2.3	6	3								5.2	4.0
ESE		3	6	7								1.6	3.2
SE			1.0									1.3	7.0
SSE			1.0	7	3							2.9	9.1
S			1.0	1.3		3						3.5	10.5
SSW			1.0	1.0								3.2	9.3
SW			1.0									2.6	7.6
WSW		1.3	2.6	1.0	6	5						6.5	10.4
W	1.0	1.0	6.5	8.1	2.3	1.6						11.3	12.2
WNW		1.3	4.5	2.6	2.3							15.7	11.3
NW	1.3	1.3	4.2	3.2	1.0							11.0	9.5
NNW		1.0	2.3	6	6							6.1	7.8
VARBL													
CALM												4.5	
	10.5	17.7	31.3	29.6	7.4	2.6						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1077 144440857.44 73-82 73-82
STATION STATION NAME YEARS
ALL WEATHER CLASS
CONDITION
JAN MONTH
16 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6									2.6	4.6
NNE	1.0	.6	.6									3.2	3.2
NE	1.3	.6	1.3									2.6	5.4
ENE	.6	2.3	.7									3.2	4.8
E	1.3	1.0	.6									3.2	4.6
ESE	.6	.6										1.0	4.7
SE		1.0	.7	.3	.3							2.3	6.9
SSE	1.0	1.0	1.0	.3								3.2	6.6
S	1.3	1.0	1.0	1.0	.3							4.2	8.2
SSW	.7	1.0	1.0	.6								3.2	7.2
SW	.6	1.0	1.3		.3							3.2	6.9
WSW	.6	2.3	2.3	2.3	.6	.6						8.7	10.1
W	1.3	1.6	2.1	5.5	1.6							19.0	10.0
WNW	1.3	2.2	7.1	5.5	1.0							19.5	9.4
NW	1.3	2.2	5.2	2.6	.3							12.3	8.4
NNW	1.3	1.3	1.0	.6		.3						5.2	7.8
VARBL													
CALM												3.2	
	15.4	23.9	32.0	18.7	4.5	1.0						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-7- STATION 1-7- LAURELST. NJ STATION NAME 73-40 YEARS 181 NORTH
ALL WEATHERED CLASS 19 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6	.7								2.6	6.9
NNE	1.3	1.3	.6									3.5	4.7
NE	1.3	.6										1.9	2.3
ENE	1.3	.6	.6	.7								2.9	5.7
E	1.3	.7										1.9	2.4
ESE	1.3											1.0	2.0
SE	1.3	.7	.7	.3								1.9	5.8
SSE	1.3	1.3		.3								3.2	4.3
S	1.3	.7	.7	.6								2.6	6.1
SSW	1.3	.6	1.3	.6								5.2	5.8
SW	1.3	.6	.6	.6								3.7	5.9
WSW	1.3	2.6	1.3	.6	.3	.6						6.3	8.2
W	1.3	4.2	3.5	3.5	.6	.3						15.4	7.8
WNW	1.3	2.6	1.3	2.3	.6							10.6	7.3
NW	1.3	1.3	5.2	.3	.3							9.7	7.0
NNW	1.3	1.3	1.3	.6								4.2	6.2
VARBL													
CALM												12.0	
	26.5	25.0	17.1	10.6	1.9	1.0						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 157 LAUREL ST. NC STATION NAME 73-22 YEARS JAN
CLASS ALL WEATHER MONTH 22
CONDITION 22 HOURS (L S Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	.4									4.3	2.6
NNE	.2	1.3	.4	.2								2.3	6.1
NE	.2	1.6										1.9	6.2
ENE	1.4	.8	.7									2.3	7.2
E	.1	1.7	.4									2.2	6.6
ESE		.7										.3	6.7
SE	.7											.3	7.0
SSE	1.7		.7		.3							2.3	6.3
S	1.9	.4	.7	1.7								3.7	5.8
SSW	.2	1.3		1.9								2.2	6.8
SW	.2	1.6										4.7	7.2
WSW	1.4	1.3	1.9	.6	.7	.3						5.8	8.5
W	1.3	4.2	4.7	2.6	.6							13.9	7.8
WNW	.3	1.3	4.5	2.3	.7	.7						11.7	8.4
NW	3.2	2.3	3.2	.3	1.7							11.3	6.9
NNW	.4	1.2	2.8	.6								6.1	7.1
VARBL													
CALM												24.5	
	21.6	21.6	20.0	8.7	2.6	.4						110.7	5.1

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 25T, NC STATION NAME 25T, NC YEARS 19-27 MONTH ALL
CLASS ALL WEATHER HOURS (LST) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0							4.1	4.6
NNE	1.0	1.0	1.0	1.0	1.0							2.8	5.2
NE	1.0	1.1	1.0	1.0	1.0							2.4	4.4
ENE	1.1	1.0	1.0	1.0	1.0	1.0						2.4	5.2
E	1.0	1.0	1.0	1.0	1.0							3.1	4.4
ESE	1.0	1.0	1.0	1.0	1.0							1.0	5.9
SE	1.0	1.0	1.0	1.0	1.0							1.0	6.3
SSE	1.1	1.0	1.0	1.0	1.0							2.8	6.0
S	1.0	1.0	1.0	1.0	1.0	1.0						2.9	7.6
SSW	1.0	1.0	1.0	1.0	1.0							3.2	7.1
SW	1.0	1.0	1.0	1.0	1.0							3.2	5.4
WSW	1.1	1.0	1.0	1.0	1.0	1.0						3.2	8.6
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0					17.6	9.5
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0					13.7	9.2
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0					10.6	7.9
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0					5.2	6.9
VARBL													
CALM												15.7	
	1.0	1.0	2.0	1.0	3.5	1.0						1.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2045

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 107 STATION NAME LACONOST, VA YEARS 77-78 MONTH FEB
CLASS ALL WEATHER HOURS (LST) 21
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	1.2									7.1	4.3
NNE	1.2	1.2	1.2									3.6	5.7
NE	1.2	2.4	2.4									6.0	5.2
ENE		3.6										3.6	5.7
E													
ESE	1.2		2.4									3.6	6.0
SE	2.4		1.2									3.6	3.7
SSE		1.2										1.2	4.0
S	1.2	1.2										2.4	3.2
SSW	1.2		1.2									2.4	4.5
SW	2.4	2.4	1.2									6.0	4.0
WSW	1.2		1.2									2.4	5.0
W	1.2	2.4		1.2	1.2							6.0	4.1
WNW	1.2	2.4	2.4	1.2	1.2							8.8	8.0
NW	3.6		1.2									3.6	6.4
NNW	1.2	4.8		1.2								9.6	4.6
VARBL													
CALM												01.4	
	2.6	2.6	2.0	3.6	2.4							10.2	4.3

TOTAL NUMBER OF OBSERVATIONS 94

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107 STATION NAME LAKE JIMEST, NJ 73-75 YEARS FEB MONTH 74 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.4	1.2									7.1	4.0
NNE	4.8	1.2	1.2									7.1	3.7
NE			1.2									1.2	10.0
ENE	1.2		6.0									7.1	7.0
E	1.2	1.2										2.4	4.0
ESE		1.2	1.2									2.4	7.0
SE													
SSE													
S	2.4		1.2									3.6	5.0
SSW	2.4	1.2	2.4									6.0	5.0
SW		2.4										2.4	5.5
WSW	1.2	3.6		1.2								6.0	5.6
W	2.4	3.6	2.4	1.2								9.6	6.3
WNW	2.4	6.0	1.2			1.2						11.8	6.5
NW	1.2	1.2	3.6	2.4								13.1	5.9
NNW		1.2										1.2	4.0
VARBL													
CALM												19.7	
	25.5	25.0	21.4	4.0		1.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 24

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAFTHURST, N.J. YEARS 13-22 MONTH FFS
CLASS ALL WEATHER HOURS (L.S.T.) 07
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.7				.4					3.9	6.5
NNE	.7	1.4										2.1	4.3
NE	1.1	1.4	1.4									4.2	5.6
ENE		.4	2.1	.4								3.5	7.7
E	.7	1.1	.7	.4								2.3	6.4
ESE			.4									.4	5.0
SE	1.1		.4									1.4	4.0
SSE	1.1			.4								2.1	4.7
S	1.1	1.1		.7								2.5	5.8
SSW	1.4	1.1	.7									3.2	4.4
SW	1.4		1.1		.4							3.2	6.6
WSW	1.1	1.1	.4	.4								2.5	5.5
W	1.5	2.1	3.2	3.2				.4				12.1	2.4
WNW	1.1	2.5	2.8	1.4		.4						10.6	6.8
NW	3.5	2.5	3.5	1.1								10.6	5.7
NNW	1.1	1.4	1.4		.4							5.3	5.9
VARBL													
CALM												28.7	
	23.4	13.1	20.2	7.8	.7	.4	.4	.4				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAKE SUPERIOR YEARS 73-80 FEB 10
MONTH 10
HOURS (L.S.T.) 10
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.0	.4								7.4	6.5
NNE	.7	2.1	.7	.4								3.0	5.9
NE	1.4	.7	1.4									3.5	4.8
ENE	1.4	.7	1.4	.7								4.3	6.9
E	1.4	1.4	1.4									5.3	5.4
ESE	.4	.7	.7	.4								2.1	7.2
SE	.4	.7	.4									1.4	5.5
SSE			.7									.7	7.0
S		1.1	1.1	.4	.4	.4						3.2	10.7
SSW		1.1	1.4	.7								3.5	8.4
SW	.4	.4	1.4	.7								3.2	5.9
WSW		1.4	.7	2.1	.7							5.0	10.7
W	.4	2.1	3.0	2.5	.7		.4					9.9	10.7
WNW	.7	1.4	3.2	5.3	1.4	.4	.4					13.1	11.9
NW	1.4	2.1	4.4	7.1	.4							16.0	9.2
NNW	.7	2.1	3.2	1.8								8.5	8.0
VARBL													
CALM												8.9	
	11.0	22.3	30.5	22.3	3.5	.7	.7					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION LAYFURST, NJ STATION NAME 17-82 YEARS FEB MONTH 13 HOURS (L.S.T.)

ALL WEATHERED CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	3.5									6.4	5.8
NNE		2.1	.7									2.1	5.6
NE	.7	1.1	1.4									3.5	6.7
ENE	.7	1.4	2.5									5.0	6.1
E	1.4	1.4	1.1	.4								5.0	4.9
ESE	.4	.4	.4									1.1	5.3
SE	.4	1.1		.4								1.4	5.6
SSE		.7	.7	.7								2.1	10.0
S	.4	1.1	.7	1.1	.7							3.9	9.7
SSW	.7	.4	2.1	.7								3.9	8.0
SW	.4	.4	1.1	1.4								3.2	9.7
WSW		2.1	2.1	2.1	.4	.4	.4					7.1	10.0
W	1.4	2.1	4.7	6.4	1.4	.4	.4					16.7	11.1
WNW	1.4	1.4	5.2	7.8	.4	.7						17.4	10.7
NW	.4	.7	5.2	5.3	.7	.7						13.1	11.8
NNW	.4	.7	1.3	1.4								4.3	8.6
VARBL													
CALM												2.8	
	10.4	19.5	33.3	27.7	3.5	2.1	.4					100.1	9.0

TOTAL NUMBER OF OBSERVATIONS 292

BMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 147-0101 STATION NAME 73-00 YEARS 16 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	1.0	1.0									3.0	6.0
NNE	1.1	1.0	1.0									3.0	5.5
NE	0.7	1.0	1.1									3.0	5.6
ENE	1.0	0.4	0.7	0.7								3.0	5.7
E		1.0	1.1	0.4								3.0	5.7
ESE	1.0	2.5										3.0	4.5
SE	1.1	2.1	1.1									4.3	5.2
SSE	0.1	0.4	0.7	0.4		0.4						2.1	10.0
S			1.0	1.0	0.7							3.0	11.1
SSW		0.4	0.7		0.4							1.4	10.3
SW	0.4	0.4	1.1	1.0								3.0	9.4
WSW	0.4	1.1	3.2	1.0	0.4							6.4	8.6
W	0.7	2.1	7.1	7.8	1.8							19.5	11.0
WNW	0.4	2.5	3.7	5.3	0.7	0.4						13.1	10.4
NW	0.7	2.2	6.1	3.9	0.4	0.4						14.2	7.6
NNW	1.0	1.1	5.3	0.7								8.0	7.8
VARBL													
CALM												2.1	
	17.6	22.0	36.5	23.4	4.3	1.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 282

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107 STATION 10701 STATION NAME LAUREL ST. TN 73-80 YEARS MONTH FEB 19 HOURS (L.S.T.) 19

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7	.4									2.1	4.5
NNE	1.4	1.1	.4									2.6	3.5
NE	1.4	1.1	.4									2.3	4.4
ENE	1.1	2.1	1.4									5.3	5.4
E	1.1	1.1		.4								3.6	4.4
ESE	.7		1.1									1.8	6.4
SE	1.1	1.1	.4	.4								3.2	5.1
SSE	1.1	.7	.7									2.5	4.6
S	4.3	1.4	1.4									7.5	4.3
SSW	1.1	1.4	1.1	1.4								5.0	7.1
SW	.7	1.4	.7									3.2	4.8
WSW	2.1	1.1		.4								4.3	4.1
W	5.2	4.3	1.3	2.1	1.1							14.2	6.7
WNW	1.5	2.1	2.3	1.1								7.9	6.5
NW	3.2	4.5	2.5	1.4								11.7	5.5
NNW	2.3	1.1	2.3	.7								7.1	6.3
VARBL													
CALM												14.7	
	31.7	26.7	17.8	7.8	1.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 241

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAURELHURST, NC YEARS 73-82 PER MONTH FEB

CLASS ALL WEATHER HOURS (L.S.T.) 22

CONDITION

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.4	.4									2.5	3.7
NNE	.7	.7	.7									2.1	4.7
NE	2.1	2.2	1.0									6.4	5.2
ENE		1.4	.4	.4								2.1	6.2
E	.7	1.1		.4								2.1	5.4
ESE	.7	.7	.4									1.6	5.0
SE	.7	.4	.4									1.4	3.8
SSE	1.0	.4										2.1	2.5
S	1.4	1.4	1.1	.4								4.3	5.5
SSW	1.4	1.4	1.4	.4								4.6	5.5
SW	1.4	1.2	.7		.4							4.3	5.6
WSW	1.1	.7	.4									2.1	4.7
W	3.0	2.5	1.8	1.4	.4							10.0	6.3
WNW	2.1	1.4	3.2	2.5	.7							11.0	7.6
NW	2.1	4.3	1.1	2.1								10.0	6.3
NNW	1.3	2.5	2.1	1.1	.4							7.8	7.6
VARBL													
CALM												25.1	
	25.3	23.5	15.7	3.5	1.8							107.0	4.4

TOTAL NUMBER OF OBSERVATIONS 281

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 1475 FIRST ST. STATION NAME 75-82 YEARS FEB NORTH
ALL WEATHER CLASS ALL HOURS (L.S.V.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	1.5	.1			.1					4.4	5.5
NNE	1.0	1.5	.7	.1								3.2	4.9
NE	1.2	1.4	1.3									3.5	5.4
ENE	.2	1.2	1.7	.3								4.0	6.4
E	1.1	1.3	.7	.3								3.4	5.5
ESE	.6	.7	.6	.1								1.9	5.7
SE	.7	.7	.4	.1								2.2	4.9
SSE	.8	.4	.4	.2		.1						1.3	6.3
S	1.2	1.0	1.0	.6	.3	.1						4.1	7.1
SSW	.2	1.0	1.3	.5	.1							3.7	6.7
SW	.5	.2	1.0	.5	.1							3.4	7.1
WSW	.3	1.3	1.1	1.0	.2	.1						4.4	7.8
W	2.4	2.6	3.0	3.7	.2	.1	.1	.1				13.3	9.1
WNW	1.8	2.3	3.4	3.6	.5	.3	.1					12.1	9.2
NW	2.7	2.6	3.5	3.3	.2	.2						12.5	8.1
NNW	1.0	1.5	2.6	.9	.1							6.8	7.1
VARBL													
CALM												14.4	
	19.4	22.3	25.2	15.2	2.4	.7	.2	.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1858

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 LACONEST, NJ STATION NAME 73-75 YEARS 73-75 MAP NORTH 01
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	1.1									2.2	6.6
NNE		1.1	1.1									4.4	4.4
NE		2.2	1.1									5.4	4.2
ENE		2.2	2.2	1.1								6.5	6.7
E			1.1									1.1	9.6
ESE		2.2										2.2	2.6
SE		2.2										2.2	4.0
SSE		2.2										3.2	2.0
S		1.1										1.1	2.0
SSW		2.2		1.1								3.2	5.0
SW		2.2	1.1	1.1	1.1							5.4	6.8
WSW			1.1									1.1	10.0
W			2.2	2.2								4.3	10.5
WNW		1.1	1.1	2.2		1.1						5.4	9.4
NW		2.2	3.2	5.4	3.2	1.1						15.2	5.9
NNW		1.1		5.4	1.1							7.5	8.4
VARBL													
CALM												70.1	
	22.2	11.1	24.7	8.4	1.1	1.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 73

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107 STATION LAKEHURST, NJ 73-75 YEARS MAR MONTH
ALL WEATHER CLASS 24 HOURS (LAST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1									3.2	5.3
NNE	2.2	1.1	1.1									4.3	4.0
NE	2.2	3.2	2.2									7.5	5.3
ENE				1.1								1.1	15.0
E	2.2	1.1	1.1	1.1								5.4	6.8
ESE	1.1	1.1										2.2	3.5
SE		2.2										2.2	4.5
SSE		1.1	1.1									2.2	5.5
S			1.1									1.1	7.8
SSW	1.1		1.1									2.2	5.0
SW		1.1	2.2									3.2	6.3
WSW	1.1				2.2							3.2	13.7
W	2.2		1.1	1.1								4.3	6.8
WNW	3.2	1.1	4.3	2.2		1.1						11.8	9.1
NW		2.2	3.2	3.2	1.1							9.7	10.2
NNW	2.2	1.1	5.4									8.6	6.3
VARBL													
CALM												28.1	
	10.3	18.1	24.7	8.6	3.2	1.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 93

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 107 LAFFORST, NJ STATION NAME 13-A YEARS 1950-1951 MONTH 07
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	1.7									5.2	3.9
NNE	1.3	1.4										2.7	3.1
NE	1.4	.6	1.5									3.2	1.8
ENE	.7	.6	1.7	.1								2.5	2.0
E	1.2	1.4	2.3									5.5	5.5
ESE	.2	.6	1.3									2.3	5.9
SE	.4	1.3	1.0									2.9	5.7
SSE	.4	.7	.6									1.6	5.2
S	1.6	1.0	.6	.7								4.5	5.2
SSW	1.7	.2	1.0	.7								2.9	6.2
SW	1.0	.6	2.3	.3								5.2	6.0
WSW	1.0	.4	.6	.3	.3							2.9	6.9
W	2.4	2.6	1.9	1.3								8.4	6.1
WNW	2.3	1.6	4.5	1.0	.3	.3						11.0	9.0
NW	.4	2.3	3.9	2.6		.3						9.4	9.3
NNW	2.3	1.0	.7	.3								3.4	4.5
VARBL													
CALM												26.1	
	21.6	14.7	24.2	8.1	.6	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 410

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 1-7 STATION NAME 72-50 YEARS 5-10 MONTH 10
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	1.0									3.0	5.2
NNE		1.0	1.0	1.0								3.0	5.6
NE		1.0	2.0	1.0								3.0	5.7
ENE		1.0	1.0	2.0	1.0							6.0	7.5
E		1.0	1.0	1.0	1.0							4.0	7.5
ESE		1.0	1.0	1.0	1.0							2.0	5.4
SE		1.0	1.0	1.0	1.0							3.0	7.0
SSE		1.0	1.0	1.0	1.0							2.0	8.1
S		1.0	1.0	1.0	1.0							4.0	8.2
SSW		1.0	1.0	1.0	1.0							3.0	8.1
SW		1.0	1.0	1.0	1.0	1.0						5.0	8.9
WSW		1.0	1.0	1.0	1.0	1.0						4.0	11.3
W		1.0	3.0	4.0	1.0							12.0	11.2
WNW		1.0	3.0	4.0	1.0	1.0	1.0					12.0	12.4
NW		1.0	4.0	4.0	1.0		1.0					12.0	11.2
NNW		1.0	2.0	1.0								6.0	8.1
VARBL													
CALM												5.0	
	1.0	1.0	32.0	24.0	5.0	1.0	1.0					10.0	4.7

TOTAL NUMBER OF OBSERVATIONS 325

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____ HOURS (L & T): _____
CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	2.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.2
NNE	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.6
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 117 STATION NAME ASHEVILLE, NC YEARS 1951-52 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 16

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.5									1.2	6.2
NNE	.2	1.3	1.5									2.5	5.6
NE	1.5	.6	.2	.2								3.2	5.8
ENE	.2	1.5	2.7	.6								4.2	5.3
E	.2	2.6	1.5	1.5								5.5	5.7
ESE	1.5	2.3										3.5	4.1
SE	.2	1.5	2.3									4.2	6.2
SSE	1.5	1.3	2.2	1.5								6.5	7.3
S	.2	1.2	1.5	2.2								5.5	9.8
SSW	.2	.6	1.5	1.5	.3							4.5	10.5
SW		.3	1.5	1.3								3.5	9.6
WSW		1.5	1.5	1.6	.3							3.2	10.5
W	.2	2.5	4.2	5.2	1.2							14.8	11.2
WNW	.2	1.5	4.2	4.2	1.6	1.5	.5					13.2	12.7
NW	.2	1.2	6.2	4.8	.6	.3						14.8	10.5
NNW		.6	1.5	1.5								3.5	10.2
VARBL													
CALM												1.3	
	.2	21.2	34.5	27.1	4.9	1.3	.5					100.2	9.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAKE FOREST, NC YEARS 73-80 MONTH ALL
CLIMATE ALL WEATHERS
CONDITION CLAM
HOURS (L.S.T.) 19

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.6									3.8	3.5
NNE	1.0	.5	.6									2.3	4.4
NE	.3	.6	.6									1.5	6.0
ENE	.6	1.0	.6	.6	.3							3.2	9.2
E	1.0	2.3	.6	.6								5.5	5.3
ESE	1.0	2.6	1.3									4.5	4.9
SE	1.0	1.0	.3									3.5	3.5
SSE	.6	3.5		1.0								7.1	4.9
S	.6	5.2	2.3	1.0								11.3	5.4
SSW	.3	1.0	1.6	.6								3.2	7.4
SW	1.0	1.3	.3									3.5	4.1
WSW	1.3	.6	.6	.3								2.6	6.4
W	.3	1.6	7.2	2.6	.3		.3					12.6	7.7
WNW	1.0	3.2	1.6	1.9	.3	.6						9.7	5.4
NW	1.0	2.6	1.3	2.6	.3							9.1	9.2
NNW	.6	1.5	1.3	.6	.3							4.0	7.5
VARBL													
CALM												12.9	
	25.2	31.0	16.5	11.9	1.6	.6	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1971 LAKEMHURST, NJ 71-97 MAY
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
22
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	1.6									5.0	4.1
NNE	1.1	1.3	1.6									1.3	6.3
NE	1.1	1.2	1.2									1.5	6.1
ENE	1.1	1.2		1.6								2.3	6.9
E	2.3	1.1	1.6	1.2								4.2	4.2
ESE	1.1	1.6										2.3	4.3
SE	1.2	1.6										1.6	3.4
SSE	3.0	1.3	1.6									4.5	3.6
S	2.2	2.6	1.9	1.3								8.7	5.0
SSW	1.1	2.6	1.2	1.0								6.5	5.7
SW		1.1	1.3									1.1	5.4
WSW	1.1		1.2		1.3							2.5	6.6
W	1.6	2.3	1.2	1.2		1.2	1.3					7.4	7.4
WNW	1.2	2.3	2.2	2.3	1.6		1.5					9.7	8.7
NW	1.6	3.2	2.2	1.2								7.7	6.9
NNW	2.6	1.3	1.2	1.2								5.5	5.7
VARBL													
CALM												72.3	
	26.1	25.2	15.8	8.7	1.0	1.3	1.6					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 316

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17 LAKESIDE, NJ STATION NAME 73-62 YEARS 1961-1962 DATE 1963
 ALL WEATHER CLASS ALL HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7								4.7	4.7
NNE	1.7	1.7	1.7	1.7								2.6	5.2
NE	1.7	1.7	1.7	1.7								3.6	5.8
ENE	1.7	1.7	1.7	1.7	1.7							4.1	7.8
E	1.7	1.7	1.7	1.7	1.7							4.6	6.5
ESE	1.7	1.7	1.7	1.7	1.7							3.1	5.2
SE	1.7	1.7	1.7	1.7	1.7							3.4	6.3
SSE	1.7	1.7	1.7	1.7	1.7	1.7						4.3	6.7
S	1.7	1.7	1.7	1.7	1.7	1.7						4.1	7.0
SSW	1.7	1.7	1.7	1.7	1.7	1.7						3.2	7.7
SW	1.7	1.7	1.7	1.7	1.7	1.7						4.0	7.5
WSW	1.7	1.7	1.7	1.7	1.7	1.7	1.7					3.7	9.1
W	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7				11.2	9.6
WNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7			11.6	10.6
NW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7		10.0	9.9
NNW	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7		5.7	7.5
VARBL													
CALM												13.4	
	1.7	2.2	2.1	1.7	3.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	7.1

TOTAL NUMBER OF OBSERVATIONS 2745

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 LAKEHURST, NJ STATION NAME 73-75 YEARS APR
MONTH 01
CLASS ILL WEATHER
HOURS (L.S.T.) 01
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2		2.2									4.4	4.8
NNE		1.1										1.1	5.0
NE	1.1		1.1									2.2	6.5
ENE													
E		2.2	1.1									3.3	6.7
ESE	2.2											2.2	2.5
SE		1.1										1.1	6.0
SSE	1.1											1.1	3.0
S	1.1	3.3										6.7	3.5
SSW			2.2									2.2	7.0
SW	1.1	2.2	3.3									6.7	5.7
WSW	2.2	3.3	4.4	1.1								12.2	6.2
W	5.5	4.4		3.3								13.3	5.8
WNW			1.1	1.1		1.1						3.3	15.0
NW	5.5	3.3	2.2	4.4								15.6	6.9
NNW	2.2	1.1										3.3	3.7
VARBL													
CALM												21.1	
	27.8	22.2	17.8	10.0		1.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 90

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-7-74 STATION 1-7-74 STATION NAME 73-74 YEARS 170 MONTH
ALL WEATHER CLASS 74 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	1.1									4.4	4.3
NNE	2.2	1.1										3.3	3.0
NE	1.1		2.2									3.3	5.7
ENE													
E		2.2										2.2	4.0
ESE	1.1	1.1										2.2	4.0
SE		1.1		1.1								2.2	7.5
SSE			1.1									1.1	3.0
S	1.1	2.2										3.3	3.7
SSW		1.1	1.1									2.2	6.1
SW		1.1	3.3									4.4	6.8
WSW	2.2	4.4	3.3									10.0	5.3
W	4.4	2.2	1.1	3.3	1.1							12.2	7.5
WNW	2.2	1.1	2.2	1.1			1.1					8.9	5.1
NW		4.7	1.1	2.2	1.1							11.1	3.1
NNW	1.1			1.1								2.2	6.5
VARBL													
CALM												26.7	
	10.0	25.6	16.7	8.9	2.2		1.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 90

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAUREL ST. NJ YEARS 13-22 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 07
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.7	.7								3.3	5.1
NNE	1.7	.7										2.0	5.0
NE	1.7	1.0	1.0									3.7	5.5
ENE	.7	2.3	1.0	.3								4.0	6.3
E	1.7	1.3	.7	.3								4.0	4.7
ESE	.7	1.3	.7	.7								3.0	7.2
SE	.7	.7	.3									1.7	5.2
SSE	.7	.7	.3	.3								2.0	5.3
S	1.7	1.3	1.0	.7								4.3	7.1
SSW	1.7	1.0	.7									3.3	4.7
SW	2.0	1.3	1.0	.3								4.7	5.0
WSW	2.0	3.0	3.7	1.3								10.0	6.5
W	2.0	3.3	2.3	2.0	.3							10.7	7.1
WNW	2.3	2.3	4.3	1.3	.3	.3						13.0	7.1
NW	1.0	3.3	2.7	2.3	.7							10.0	8.6
NNW	2.7	1.3	2.7	.3								7.0	5.4
VARBL													
CALM												13.7	
	24.3	27.0	23.0	17.3	1.3	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 14701001, NJ STATION NAME 73-82 YEARS APE NORTH
ALL WEATHER CLASS 10 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	2.7	0.7								5.0	7.2
NNE	1.0	1.0	0.7	0.3								3.0	5.7
NE	0.7	0.3	0.7	0.7								2.3	8.0
ENE	1.7	0.7	2.7	1.0								5.7	7.6
E	1.0	1.7	4.0	0.7								6.7	7.3
ESE	0.7	0.3	1.0	0.7								2.3	6.1
SE	1.0	1.3	2.0	0.7								4.7	5.9
SSE		1.0	1.0	0.3								2.3	7.3
S	0.7	0.7	1.7	1.0								4.0	7.5
SSW		0.7	2.0	0.3								3.0	8.3
SW		0.7	1.7	2.0								4.3	10.1
WSW	1.0	1.3	1.7	2.7	0.7							7.0	9.9
W	0.7	3.0	5.3	5.3	0.3	0.7						15.7	10.0
WNW	1.7	3.0	4.7	4.0	1.0		0.3					14.3	9.9
NW		0.7	4.3	3.3	1.7	0.3						11.7	11.4
NNW	1.7	0.7	3.0	1.7								6.3	8.5
VARBL													
CALM												1.7	
	11.3	10.3	39.0	24.7	8.7	1.0	0.3					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 147 STATION NAME LEHIGH ST. NW YEARS 13-20 MONTH APR 13 HOURS (LST) 13

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.3								3.7	6.4
NNE	.7	.7	.3									1.7	5.2
NE	.7	1.7	.7	.3								2.3	6.9
ENE		.7	1.7	.3								2.7	8.2
E	.7	.7	7.7	1.7								5.7	8.1
ESE	.7	.7	1.7									3.7	6.7
SE		1.7	2.7									3.7	6.6
SSE		.3	2.7	1.7								3.7	9.4
S	.7	1.7	2.7	1.7	.3	.7						6.3	10.2
SSW	.7	.7	.7	1.7								3.7	8.0
SW		1.7	2.3	1.7	.3							6.7	9.9
WSW	.7		.7	4.7	.7							5.7	12.5
W	.3	3.7	6.7	7.7	1.3	.7						15.2	10.5
WNW	.7	1.7	4.7	6.3	1.7	1.7						14.7	11.9
NW	.7	1.7	5.7	6.3	2.7	.3						16.3	11.9
NNW	.3	1.7	.3	1.3	.3							4.3	8.8
VARBL													
CALM												1.3	
	5.3	17.7	34.7	32.7	6.7	2.7						100.7	10.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 STATION NAME LAUREST, NC YEARS 73-75 APP APR
MOUTH 10
HOURS (L.S.T.) 10
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7	1.7								7.3	5.7
NNE	1.7	1.7	1.7									1.7	5.7
NE		1.7	1.7									1.7	4.7
ENE		1.7	1.7	1.7								2.7	2.7
E	1.7	1.7	3.7									4.3	6.7
ESE	1.7	1.7	2.7									3.3	7.7
SE		1.7	3.7	1.7								6.7	7.7
SSE	1.7	1.7	4.7	1.7								7.7	5.7
S		1.7	4.7	3.7	1.7							10.7	9.7
SSW		1.7	1.7	1.7	1.7							2.3	12.1
SW		1.7	1.7	1.7	1.7							3.7	11.1
WSW	1.7	1.7	1.7	1.7								5.4	9.2
W	1.7	2.7	5.7	6.7	1.7							16.4	10.2
WNW	1.7	1.7	1.7	5.7	1.7		1.7					15.1	11.6
NW	1.7	1.7	3.7	6.7		1.7						10.7	12.5
NNW		1.7	3.7	1.7	1.7							6.7	9.1
VARBL													
CALM												1.7	
	5.7	16.7	43.1	28.3	4.3	1.7	1.7					10.7	7.7

TOTAL NUMBER OF OBSERVATIONS 259

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07 STATION NAME LAUREL, NC YEARS 73-81 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 17
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	.7									4.7	4.6
NNE	.7											.7	2.3
NE	1.7	1.7	.7									3.7	4.7
ENE		.7		.7								.7	3.7
E		1.7	1.7									2.7	7.1
ESE	.7	1.7	.3	.3								2.7	5.6
SE	.3	6.7	1.7									7.7	5.7
SSE	2.7	.7	.7									3.7	4.1
S	7.7	2.7	2.7	.7								15.4	5.6
SSW	.7	1.7	2.7	1.7	.3							5.7	3.1
SW	1.7	1.7	.7									4.3	4.0
WSW	.7	3.3	2.7									7.7	4.1
W	2.7	3.7	2.7	1.7								9.7	5.3
WNW	1.7	2.3	.3	1.7		.7						5.7	7.6
NW	1.7	2.3	2.3	1.7	.3	.7						10.7	7.1
NNW	1.7	4.7	1.7	.7								8.7	5.5
VARBL													
CALM												7.7	
	23.4	40.5	21.4	6.4	.7	.7						100.7	5.5

TOTAL NUMBER OF OBSERVATIONS 209

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAKE CROCKET, NC STATION NAME LAKE CROCKET YEARS 1957-58 MONTH APR
 CLASS ALL WEATHER HOURS (L S Y) 00
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.7										2.7	4.7
NNE	0.7	0.7	1.7									1.7	4.7
NE	0.7	0.7	1.7									0.7	4.7
ENE	0.7	0.7	0.7									1.7	5.7
E	1.7	0.7	2.7									4.7	5.7
ESE	0.7	1.7	0.7									3.7	5.7
SE	0.7	1.7										1.7	4.7
SSE	0.7	1.7										3.7	5.7
S	0.7	2.7	2.7	0.7	0.7							6.7	7.7
SSW	0.7	2.7	0.7	0.7								6.7	5.7
SW	0.7	4.7	2.7									4.7	4.7
WSW	0.7	0.7	0.7									4.7	4.7
W	0.7	2.7	1.7	1.7	0.7							5.7	6.7
WNW	0.7	2.7	0.7	2.7		0.7						5.7	7.7
NW	1.7	3.7	2.7	0.7	0.7							5.7	6.7
NNW	0.7	3.7	1.7	0.7								7.7	4.7
VARBL													
CALM												1.7	
	10.7	40.7	17.7	5.7	1.7	0.7						100.7	4.7

TOTAL NUMBER OF OBSERVATIONS 500

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAUREL, NC YEARS 1957-1958 MONTH ALL
CLASS 11 HOURS (L S T) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.1	1.0								1.0	1.0
NNE	1.0	1.0	1.0	1.0								1.0	1.0
NE	1.0	1.0	1.0	1.0								1.0	1.0
ENE	1.0	1.0	1.0	1.0								1.0	1.0
E	1.0	1.0	1.0	1.0								1.0	1.0
ESE	1.0	1.0	1.0	1.0								1.0	1.0
SE	1.0	1.0	1.0	1.0								1.0	1.0
SSE	1.0	1.0	1.0	1.0								1.0	1.0
S	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
SW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0	1.0						1.0	1.0
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0					1.0	1.0
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0				1.0	1.0
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0			1.0	1.0
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0
VARBL													
CALM													
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1071

SMOS

AD A150 444 SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
LAKEHURST NEW JERSEY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
LAKEHURST NEW JERSEY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

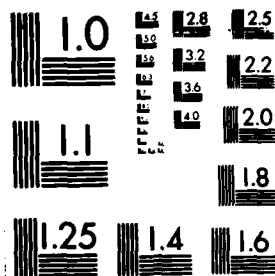
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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147- STATION 1340 HURST, N.J. STATION NAME 73-75 YEARS MAY MONTH
ALL WEATHER CLASS 01 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.2										4.3	4.0
NNE	1.1											1.1	2.0
NE	1.1											1.1	2.0
ENE	2.2	2.2	1.1	1.1								6.5	6.2
E	4.3	1.1										5.4	2.8
ESE	2.2	2.2										4.3	3.8
SE	1.1	3.2										4.3	4.3
SSE	2.2	1.1	1.1									4.3	4.0
S	2.2	2.2										4.3	3.8
SSW			2.2									2.2	8.0
SW	2.2	1.1										3.2	2.7
WSW	2.2	3.2	2.2									7.5	4.7
W	2.2	1.1	3.2									6.5	5.5
WNW	1.1		1.1									2.2	5.5
NW		2.2	1.1									3.2	5.3
NNW	2.2	3.2										6.5	3.8
VARB													
CALM												33.3	
	22.0	25.8	11.4	1.1								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 23

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147. LAREHURST, NJ 73-75 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
04
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2											3.2	1.3
NNE		1.1										1.1	5.0
NE	5.4	1.1										6.5	2.7
ENE	2.2	4.3		1.1								7.5	5.3
E	4.3											4.3	2.3
ESE	2.2	3.2										5.4	3.6
SE	2.2	1.1	1.1									4.3	4.5
SSE			1.1									1.1	9.0
S	2.2											2.2	2.5
SSW	1.1	1.1										2.2	4.0
SW	1.1	3.2	1.1									5.4	5.4
WSW	5.4	2.2	1.1									8.6	3.3
W	1.1	3.2	3.2									7.5	5.9
WNW		1.1										1.1	5.0
NW	2.2	1.1										3.2	3.7
NNW	3.2	1.1		1.1								5.4	4.8
VARBL													
CALM												31.2	
	35.5	23.7	7.5	2.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 93

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-7 STATION LAKEHURST, NJ STATION NAME 73-52 YEARS MAY
ALL WEATHER CLAS 07
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	2.2										5.3	3.7
NNE	2.6	1.6	.3									4.5	3.2
NE	1.2	1.3	1.2									4.5	5.2
ENE	1.6	1.0	2.6									5.2	5.7
E	1.3	1.3	.6	.3								3.5	5.2
ESE	.6	1.6	.3									2.6	5.0
SE	1.3	1.2	1.6									4.8	5.1
SSE	1.3	1.6	1.3									4.2	4.9
S	2.3	1.2	.3	.3								4.8	4.1
SSW	1.2	.3	1.6	.3								3.5	6.2
SW	1.2	.6	1.9	.6								4.2	6.8
WSW	1.6	1.7	2.6									5.2	5.8
W	1.3	6.1	5.5	1.6								14.5	6.9
WNW	2.6	2.9	1.9	.3								7.7	5.3
NW	1.6	1.9	1.2	.6								6.1	5.7
NNW	1.6	2.6	.6	.6								5.5	5.4
VARB													
CALM												13.2	
	20.1	30.6	25.2	8.8								120.0	4.7

TOTAL NUMBER OF OBSERVATIONS 330

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10701 LAKELAND, FL 73-92 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
10
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0									3.0	5.1
NNE	1.0	1.0	1.0									3.0	5.0
NE	1.0	1.3	1.6									3.9	6.3
ENE	1.0	3.2	2.6	.6								7.4	6.2
E	1.0	3.2	2.6	1.3								8.1	7.2
ESE	1.6	1.6	1.0									4.2	4.6
SE	.7	1.0	2.3									4.5	6.6
SSE	.7	1.6	1.3	1.3								4.5	7.7
S	.3	1.3	1.3	1.0	.3							4.2	8.8
SSW		.6	1.0	.6								2.3	8.9
SW	1.3	.3	2.0	1.3								5.8	7.7
WSW		1.0	3.2	.6								4.6	5.5
W	3.5	3.2	6.5	2.6	.3	.3						16.5	7.8
WNW	1.4	1.6	4.2	1.3								8.7	7.2
NW	.3	1.3	4.8	2.3	.3							9.0	9.4
NNW	.6	1.0	1.0	.6								4.2	6.8
VARBL													
CALM												4.0	
	14.8	28.1	38.1	11.5	1.0	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147501 STATION LAKEHURST, NJ STATION NAME 73-80 YEARS MAY MONTH
ALL WEATHER CLASS 17 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	.3									2.3	5.7
NNE	.3	1.3	.3									1.9	5.0
NE		1.6	1.7	.3								2.9	6.9
ENE	.3	1.9	3.5	1.7								6.5	7.6
E	1.6	3.2	1.2	.3								7.1	5.9
ESE	.7	3.5	2.3	.3								6.5	6.3
SE	1.7	1.3	3.2	.6								6.8	7.3
SSE	.6	1.7	1.9	2.6								6.1	8.7
S	.6	1.7	1.9	1.3								4.3	8.5
SSW		1.7	1.7	.6	.3							2.9	9.6
SW	.7	1.7	1.9	1.9	.3							5.5	10.4
WSW		.7	3.2	1.6								5.2	9.6
W	1.6	3.2	5.2	3.5	.6	.3						18.5	9.1
WNW	.6	1.9	4.2	2.9	.3							10.7	9.6
NW	.3	3.3	4.5	1.3	.3							10.3	8.2
NNW	.3	1.6	2.3	.6								4.8	7.5
VARL													
CALM												1.6	
	2.1	29.7	19.4	19.0	1.9	.3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

10780 STATION 1455HURST, NJ STATION NAME 73-82 YEARS MAY MONTH 16 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.5	.6									1.9	5.2
NNE		.3	1.0									1.3	6.5
NE	.4	.6	.6									1.9	5.2
NNE		1.5	1.9	.3								3.9	7.3
E	1.0	5.2	3.5	.3								10.0	5.9
ESE	1.0	2.6	1.9									5.5	5.8
SE	.6	4.5	5.8	.6								11.6	6.9
SSE	.6	1.0	3.5	1.3								6.5	8.5
S	.3	1.0	2.9	3.9	.3	.3						8.7	10.5
SSW			2.3	1.9								4.2	10.9
SW		.3	.6	1.3								2.3	10.7
WSW		1.3	1.9	1.0								4.2	8.2
W	.3	2.9	5.3	4.8	.3	.3						14.5	9.8
WNW	.3	1.3	4.9	3.9	.3							10.6	9.8
NW	.3	1.9	1.0	1.9	.3	.3						5.8	10.0
NNW	.3	.6	1.6	1.6								4.2	9.5
VARBL													
CALM												2.9	
	6.1	25.8	40.0	22.9	1.3	1.0						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 310

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14720 STATION LAKEHURST, NJ 73-80 YEARS MAY MONTH
ALL WEATHER CLASS 19 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0		.3									1.3	4.0
NNE	.3											.3	2.0
NE	.6	.3	.6	.3								1.8	2.2
ENE	1.0	1.6	1.3									3.9	5.3
E	1.9	3.2	1.0									6.1	6.8
ESE	2.9	4.8	.6									9.4	3.9
SE	1.6	2.6	.3									4.5	4.0
SSE	3.2	4.5	1.6	.3								9.7	5.1
S	4.5	7.4	5.2	1.3								18.4	5.6
SSW	.6	2.3	1.0									4.8	5.5
SW	.6	1.9	1.0									3.5	5.6
WSW	1.3	3.5	1.0									5.8	4.7
W	2.3	3.2	2.3	1.0								9.4	5.9
WNW	.6	2.3	1.0									3.9	5.5
NW	1.6	1.9	1.3	.6								5.5	6.5
NNW	1.3	1.6		1.0								3.9	6.2
VARB													
CALM												7.7	
	27.1	41.3	19.4	4.5								100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1973 STATION LAKEMURST, NJ STATION NAME 73-22 YEARS MAY MONTH 22 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.9	.3									3.5	4.4
NNE	1.0	.5										1.6	3.6
NE		.3										.3	4.0
NNE	1.6	1.6	1.7	.6								4.9	5.7
E	3.2	1.9										5.2	3.0
ESE	2.3	1.7	.6									2.9	4.2
SE	2.4	1.3										3.9	2.8
SSE	2.4	2.6		.3								5.5	4.4
S	5.8	2.9	1.6	.3								10.6	4.1
SSW	3.2	2.3	1.6	.6								7.7	4.7
SW	3.9	1.9	1.3									7.1	4.3
WSW	3.2	1.6	.6	.3								5.8	4.3
W	2.3	1.9	1.6	.6								6.5	5.5
WNW	.3	1.3		.3								1.9	5.7
NW	2.3	1.6		.3								4.2	4.0
NNW	.6	1.6	.7	.3								2.9	5.3
VARBL													
CALM												24.5	
	35.1	26.5	9.0	3.0								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 147-0105T, NJ STATION NAME 73-82 YEARS MAY MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	.4									3.2	4.3
NNE	.8	.9	.4									2.2	4.3
NE	.8	.9	.2	.1								2.7	5.6
ENE	1.0	2.3	2.0	.5								5.5	6.3
E	1.9	2.8	1.5	.3								6.5	5.4
ESE	1.7	2.5	1.0	.5								5.3	4.8
SE	1.3	2.2	2.2	.2								5.9	5.2
SSE	1.4	1.0	1.6	.9								5.8	6.4
S	2.3	2.4	2.0	1.2	.1	.5						8.1	6.4
SSW	.6	1.0	1.5	.6	.0							4.1	7.0
SW	1.2	1.1	1.5	.8	.0							4.7	7.0
WSW	1.3	1.6	2.1	.5								5.4	6.3
W	2.0	3.3	4.3	2.2	.2	.1						12.1	7.7
WNW	1.0	1.2	2.5	1.3	.1							6.5	7.8
NW	1.1	2.1	2.1	1.1	.1	.0						6.5	7.5
NNW	1.0	1.7	.9	.8								4.4	6.5
VARBL													
CALM												11.1	
	20.8	29.8	26.8	10.6	.6	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2046

3805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147- LAFHURST, NJ 73-75 JUN
STATION MONTH
STATION NAME YEARS
ALL WEATHER
CLASS
COGNITION
01
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.1										5.6	2.6
NNE	4.4											4.4	2.8
NE		2.2										2.2	4.5
ENE	1.1		1.1									2.2	4.5
E		2.2	1.1									3.3	6.3
ESE	1.1											1.1	2.7
SE	2.3	2.2	1.1									6.7	4.2
SSE	2.3	1.1										4.6	2.8
S	4.4	2.2	2.2									8.9	4.1
SSW		3.3	2.2									5.6	5.4
SW	3.3	3.3										6.7	3.4
WSW	2.3	4.4	1.1									8.9	4.3
W		6.7										6.7	4.3
WNW	1.1	2.2										3.3	3.3
NW													
NNW													
VARBL													
CALM												30.0	
	30.0	31.1	8.9									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 90

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 STATION NAME LAKE-CHIPST. LA YEARS 73-75 JLN
NORTH
CLASS ALL WEATHER HOURS (L.S.T.) 74
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0											4.0	2.7
NNE	0.0											4.0	2.7
NE	0.0	1.1	1.1									6.7	3.2
ENE	0.0	1.1										7.3	2.4
E	0.0		2.2									5.6	4.4
ESE	1.1											1.1	3.0
SE	1.1	3.3										4.4	4.5
SSE	1.1		1.1									2.2	6.5
S	1.1	2.2										5.6	4.0
SSW	1.1	2.2										3.3	4.3
SW	1.1	2.2	1.1									6.7	4.2
WSW	0.0	3.3										5.6	4.0
W		3.3										3.3	4.3
WNW	1.1	2.2	1.1									6.7	3.5
NW	0.0	2.2										4.4	4.0
NNW	1.1	1.1										2.2	3.0
VARBL													
CALM												7.0	
	35.9	24.4	6.7									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 76

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL, NJ STATION NAME LAUREL, NJ YEARS 1970 MONTH JUL
CLASS ALL WEATHER HOURS (LST) 07
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	1.7									5.2	3.1
NNE	1.7	1.7										3.2	2.4
NE	1.7	1.7	1.7									4.0	2.7
ENE	1.7	2.7		1.7								4.3	4.2
E	1.7	1.7	1.7									3.7	4.7
ESE	1.7	1.7										1.7	3.0
SE	1.7	1.7										2.7	3.6
SSE	1.7	1.7	1.7									3.3	4.7
S	1.7	2.7	1.7									5.5	4.3
SSW	1.7	3.7	1.7									7.2	4.5
SW	1.7	2.7	2.7									7.2	4.5
WSW	1.7	3.7	2.7									2.7	3.3
W	1.7	4.7	4.7	1.7								13.2	5.4
WNW	1.7	2.7	2.7	1.7								6.7	6.5
NW	1.7	3.7	1.7									4.7	5.2
NNW	1.7	1.7	1.7									4.7	3.9
VARBL													
CALM												12.2	
	33.3	34.0	20.0	1.0								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 1957-58 MONTH JULY

CLASS ALL WEATHER

CONDITION

HOURS (LST) 10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.7										2.7	3.5
NNE	1.3	1.3										2.6	3.3
NE	1.7	1.3	1.7	.3								4.7	5.9
ENE	1.3	2.7	1.7									5.7	4.9
E	2.7	2.7	1.7	.3								6.7	5.5
ESE	1.7	3.0	1.7									5.7	4.6
SE	.3	1.7	1.7									3.0	4.7
SSE	1.7	1.3	1.7	.3								4.0	5.5
S	.7	1.7	3.3	.3								6.0	6.8
SSW	.7	2.7	2.7	.3								5.7	6.2
SW	1.3	.3	3.7	.7								5.7	7.3
WSW	1.7	2.3	2.7	1.3								7.0	6.7
W	2.7	5.0	5.3	2.7								15.0	6.7
WNW	1.7	2.7	4.7	2.7								10.3	6.0
NW	.3	2.3	4.7	1.7								7.7	7.7
NNW		1.7	5.7									4.7	7.6
VARBL													
CALM												4.7	
	15.7	32.3	36.3	8.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 107 STATION NAME LAKESIDE, NJ YEARS 77-82 MONTH JULY
CLASS ALL WEATHER HOURS (L.S.T.) 17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3										2.3	3.8
NNE		2.0	.7									2.3	5.4
NE	.7		.7									1.0	6.7
ENE	1.3	2.0	2.3	.7								7.0	6.4
E	1.7	3.7	1.0	.7								6.7	5.7
ESE	.7	3.3	2.3									7.4	6.0
SE	.3	2.0	3.3	.3								6.0	6.5
SSE		2.3	2.0									4.3	6.8
S	.7	2.0	2.7	1.0								6.0	7.9
SSW	.7	.7	2.0	1.3								4.7	8.7
SW	.3	2.3	2.3	2.0								7.0	7.9
WSW	.7	2.7	3.7	1.7								8.4	7.7
W	1.7	2.3	7.7	4.0								15.4	8.7
WNW	.7	1.0	4.0	3.3	.3							9.4	9.7
NW			4.7	2.0								6.4	10.1
NNW	.7	1.3	2.0									4.0	6.0
VARS													
CALM												2.0	
	9.4	30.1	41.5	16.7	.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 299

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 LAKEHURST, N.J. STATION NAME 73-45 YEARS 11/11
CLASS ALL WEATHER HOURS (L.S.T.) 14
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7										2.0	4.7
NNE	.7	.3										1.0	2.7
NE		1.7	.7									2.0	4.7
ENE	.7	.7	.7	.7								2.7	7.4
E	1.7	4.3	7.7									8.7	6.2
ESE	.3	3.7	2.3									6.3	5.7
SE	.3	3.7	5.0	.3								9.3	6.9
SSE	.7	2.3	2.7	1.7								7.3	7.2
S	.7	1.3	3.7	4.3								10.0	9.8
SSW	.3	.7	4.3	1.7								6.3	8.5
SW	.3	1.3	1.7	1.7								4.0	7.8
WSW	.7	2.3	4.3	1.3								8.0	8.3
W	1.0	1.7	5.7	4.0								12.3	9.2
WNW	.5	.7	5.0	2.3	.3							8.7	9.3
NW	.3	1.0	2.3	1.7								4.7	8.1
NNW	.7	.7	3.0	.3								4.7	7.4
VARBL													
CALM												2.0	
	8.3	27.3	44.0	18.3	.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION LAYFORD ST. NJ 73-00 YEARS JUN MONTH 10 HOURS (LST.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.3									2.0	3.3
NNE	1.7	.7										2.0	3.5
NE	.3											.3	3.0
ENE	1.7	.7	.3	.3								3.0	4.8
E	1.0	2.7	1.3									5.0	5.6
ESE	3.0	2.0	.7									5.7	3.8
SE	2.3	3.3	.3									6.0	3.9
SSE	3.7	7.4	2.3	.7								13.7	5.0
S	2.0	6.4	7.0	.7								16.1	6.4
SSW	1.3	3.7	1.7									6.7	4.9
SW	1.0	3.7	2.3									7.0	5.8
WSW	1.7	1.0	1.0									3.7	4.4
W	4.0	2.3	1.3									7.7	4.1
WNW	.7	2.0	1.0	.7								5.4	6.3
NW	.7	2.0	.3									3.0	4.7
NNW	1.7	1.7	.3									3.7	4.1
VARBL													
CALM												9.0	
	27.9	41.1	20.4	2.0								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 299

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7-1 LAKEHURST, N.J. STATION NAME 73-82 YEAR JUN
 CLASS ALL WEATHER MONTH 22
 CONDITION 22
 HOURS (L.S.T.)

SPEED (KNTS) D.F.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.7	.3									2.7	4.0
NNE	.7	.7										1.3	3.3
NE	1.0	.7										1.7	3.2
ENE	1.7	1.0	.7									3.3	4.1
E	2.7	.3	.7									3.7	3.8
ESE	1.3	.7	.3									2.3	3.8
SE	2.0	.7	1.0									3.7	4.3
SSE	5.0	1.7	1.7									7.7	3.7
S	6.0	5.0	2.7									13.7	4.2
SSW	1.0	3.0	2.0	.3								7.3	5.3
SW	2.3	2.0	.7									5.0	3.9
WSW	2.0	2.7	.7									5.0	4.0
W	1.7	2.3	.7	.3								5.0	4.7
WNW	2.3	1.0	.7	.3								4.3	4.6
NW	.7	1.0	.3	.3								2.3	5.3
NNW	1.7		.3									2.0	3.5
VARBL													
CALM												29.5	
	34.3	23.7	11.7	1.3								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14700 LANEHURST, NJ STATION NAME 73-80 YEARS JULY
CLASS ALL WEATHER MONTH JULY
CONDITION ALL HOURS (L S Y) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7	.2									3.1	3.4
NNE	1.1	.2	.1									2.3	3.5
NE	1.1	.3	.6	.1								2.5	4.5
ENE	1.4	1.6	.9	.3								4.1	5.2
E	1.5	2.3	1.6	.1								5.6	5.4
ESE	1.4	2.4	1.2									4.5	4.8
SE	1.2	2.1	1.2	.1								5.2	5.6
SSE	2.0	2.6	1.5	.4								6.4	5.3
S	2.1	3.0	3.2	1.0								9.3	6.4
SSW	1.2	2.3	2.0	.5								6.7	6.1
SW	1.5	2.0	1.9	.6								6.7	6.7
WSW	1.5	2.5	2.1	.7								6.7	6.2
W	2.2	3.2	3.3	1.6								10.8	6.8
WNW	1.2	1.7	2.3	1.4	.1							7.2	7.6
NW	.6	1.8	2.0	.7								5.1	7.0
NNW	1.2	1.1	1.4	.1								3.7	5.6
VARBL													
CALM												11.5	
	23.0	31.1	27.0	7.3	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1978

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1977 STATION LAKEHURST, VA STATION NAME 73-75 YEARS JUL MONTH 01 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2											2.2	2.0
NNE	1.1	1.1										2.2	3.5
NE													
ENE													
E		1.1										1.1	4.0
ESE													
SE													
SSE													
S	4.3	6.5										10.8	4.0
SSW	4.3	4.3	4.3									12.9	5.2
SW	1.1	1.1	1.1									3.2	5.0
WSW	5.4	4.3										9.7	3.2
W	4.3	2.2										6.5	2.8
WNW	1.2											3.2	2.0
NW	1.1	2.2	1.1									4.3	5.5
NNW	1.2	2.2										4.3	3.5
VARBL													
CALM												39.8	
	22.0	24.7	6.5									100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 21

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 LAKEHURST, NJ STATION NAME 73-75 YEARS JUL MONTH 24
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.1										1.1	5.0
NE													
NNE													
E													
ESE	1.1											1.1	2.1
SE													
ESE	1.1											1.1	2.0
S	4.3	3.2	2.2									9.7	4.7
SSW	3.2	3.2										6.5	3.3
SW	2.2	3.2	3.2									9.7	5.1
WSW	3.4	2.2										7.5	2.7
W	6.5	3.2	1.1									10.9	3.4
WNW	3.2	1.1										4.3	2.8
NW	2.2											2.2	2.0
NNW	4.3	4.3										8.6	3.1
VARBL													
CALM												37.6	
	34.4	21.5	6.5									100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 91

8806

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAURELHURST, NJ STATION NAME 73-82 YEARS 1911
MONTH 07
CLASS ALL WEATHER
CONDITION 07
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	3.5	.3									8.7	3.5
NNE	1.3	.3	.3									1.9	3.7
NE	1.3	.3										1.6	2.4
NNE	.6	1.6	.3									2.6	4.6
E	1.3	1.3										2.3	3.4
ESE	1.3	1.3	.3									2.3	4.4
SE	.6	1.0										1.6	3.4
SSE	.6	.6										1.3	4.0
S	2.6	1.3	.6	.3								4.8	4.5
SSW	2.9	1.9	1.3									6.1	4.4
SW	2.3	3.6	2.6									8.4	5.6
WSW	1.9	5.2	1.3									8.4	6.7
W	1.9	7.4	2.9									14.2	4.9
WNW	1.9	2.3	1.9									6.1	5.2
NW	2.3	3.2	2.9	.3								8.7	5.3
NNW	2.6	2.6	.3									5.5	3.8
VARBL													
CALM												15.5	
	11.6	12.1	15.2	.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-7-81 STATION LAWTHURST, NJ 73-82 YEARS MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 10
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	1.7									6.0	4.7
NNE	1.7	3.2	.3									4.5	4.9
NE	1.0	1.0										1.9	3.8
ENE	.6	2.3	.3									3.2	4.9
E	.6	1.7	1.7									3.5	5.5
ESE	.3	1.6	.6									2.6	5.4
SE	1.3	1.6	1.6									4.5	5.4
SSE	.3	2.3	.6									3.2	5.0
S	1.7	2.6	1.0	.3								4.8	5.9
SSW	.6	1.3	1.0	.6								4.5	6.7
SW	.7	1.6	2.2									5.5	6.8
WSW	1.0	3.5	3.0	1.0								9.4	6.8
W	1.5	2.1	6.5	.6								16.1	6.4
WNW	.6	3.2	3.2	1.0								8.1	7.1
NW	1.7	2.6	2.6	.6								7.1	6.4
NNW	1.7	3.5	3.0	.7								9.0	6.5
VARBL													
CALM												5.2	
	15.2	43.2	31.9	4.5								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 310

8805

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL, NJ STATION NAME LAUREL, NJ YEARS 1950 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 13
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6	.6									4.5	4.5
NNE	.6	1.9	.6									3.2	4.7
NE	.7	1.3										1.6	4.4
ENE	.4	1.0	.3									1.9	4.7
E		2.9	2.3	.3								5.5	6.8
ESE	.3	2.9	1.6									4.9	5.8
SE	.3	1.3	2.6									4.2	6.7
SSE	2.3	1.6	1.6									5.5	5.1
S	.3	2.3	3.2									5.3	7.1
SSW		2.3	2.6	1.0								5.8	7.9
SW	.7	1.6	2.3	.6								5.5	7.7
WSW	.6	3.2	7.8	1.6								13.3	7.9
W	2.6	2.6	6.5	1.3	.3							13.9	7.1
WNW	.6	4.2	3.2	1.9								10.7	7.5
NW		1.6	3.2	1.0								6.5	7.9
NNW	1.3	2.3	2.6									6.1	5.8
VARBL													
CALM												1.6	
	12.0	35.2	43.0	7.8	.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 309

3
8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LATIMER ST, NC YEARS 17-82 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 16
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	1.3									3.6	5.1
NNE		1.0										1.0	5.0
NE		1.0										1.0	5.3
ENE	.2	.6	1.6									2.4	6.3
E	.3	.2	.6	.6								4.6	6.3
ESE	.4	2.0	2.6									5.0	6.1
SE		1.0	3.0	.3								7.7	7.0
SSE	.4	2.0	5.0									9.0	6.5
S	.2	2.3	4.5	1.9								9.0	8.4
SSW	.6	.6	3.2	1.3								6.5	8.2
SW		.0	3.2	.3								4.2	8.3
WSW	.2	2.3	5.5	1.6		.7						10.0	8.6
W	.7	2.2	7.4	2.8								13.5	8.4
WNW	.1	2.3	4.5	2.6								10.0	8.3
NW		2.3	2.0	.6								5.8	7.8
NNW	.5	1.2	1.6	.3								4.5	6.4
VARBL													
CALM												1.7	
	1.5	11.3	49.0	12.6		.7						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 510

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 0 LAFHURST, NJ 72-22 JUL 1972
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	.2									1.4	4.3
NNE	1.1	.3	.2									1.6	5.2
NE													
ENE	.3	1.0										1.3	4.3
E	.5	1.9	.2	.7								3.2	6.1
ESE	1.5	1.6										3.5	3.5
SE	1.9	4.5										6.5	4.3
SSE	2.0	0.7	1.1	.3								13.9	4.5
S	5.5	7.7	4.5	.3								18.1	5.5
SSW	1.3	1.6	4.2									7.4	6.4
SW	2.6	4.2	.3	.3								7.4	4.6
WSW	2.2	3.9	.3									7.1	3.9
W	4.2	4.2	1.6	.3								12.3	4.6
WNW	2.3	1.2	1.0									4.8	4.1
NW	1.6	1.5	.6									4.2	4.2
NNW	.5	1.3										1.9	4.2
VABL													
CALM												6.3	
	31.2	45.2	14.5	1.6								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

167-1 STATION 167-1 STATION NAME LAFFORST, NC YEARS 77-87 MONTH JUL
STATION CLASS ALL HEATED HOURS (L.S.T.) 22
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3											2.3	2.3
NNE													
NE													
ENE	1.2	.7										1.3	2.3
E	1.2	.4	.3									2.3	4.3
ESE	1.2	.3										1.3	2.3
SE	2.2	1.6										4.5	3.3
SSE	2.2	1.1	.3									4.5	2.9
S	2.5	4.6	1.6									11.7	4.9
SSW	4.2	5.5	1.2									10.7	4.1
SW	4.5	3.6	.4									9.7	3.5
WSW	1.3	2.3	.4	.3								7.1	4.4
W	2.2	.5	.5									4.5	3.3
WNW	1.2	1.3										3.2	3.1
NW	.3	1.3	.7	.3	.3							2.6	7.5
NNW	1.2	1.9										3.6	3.3
VARBL													
CALM												10.4	
	17.1	25.2	5.6	.6	.3							100.3	2.6

TOTAL NUMBER OF OBSERVATIONS 224

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL, NJ STATION NAME LAUREL, NJ YEARS 19-22 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.0	.0									4.0	4.0
NNE	.0	1.1	.0									2.0	4.5
NE	.0	.0										.0	3.0
NNE	.0	1.1	.0									2.0	4.0
E	.0	1.0	.0	.0								3.0	5.7
ESE	.0	1.0	.0									3.0	5.0
SE	1.1	2.1	1.2	.0								4.4	7.3
SSE	1.0	2.0	1.4	.0								5.7	7.4
S	2.7	3.6	2.4	.4								9.1	5.5
SSW	1.0	2.4	2.4	.4								7.1	5.8
SW	1.0	2.0	2.2	.2								6.8	5.6
WSW	.0	1.4	2.0	.7		.0						9.1	5.1
W	3.0	4.1	3.0	.8	.0							11.3	6.0
WNW	1.0	2.2	2.2	.8								6.5	6.4
NW	1.0	2.1	2.1	.4	.0							5.6	6.3
NNW	1.0	2.3	1.7	.1								5.2	5.1
VARIABLE													
CALM												12.0	
	22.2	35.1	24.7	4.2	.1	.0						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2944

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

197 STATION 1400101T, R. J. STATION NAME 12-71 YEARS AUG MONTH 01 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1										2.2	3.5
NNE	1.1											5.4	2.0
NE	1.1											1.1	2.0
ENE	1.1	1.1	3.2									5.4	6.2
E	1.1											2.2	3.0
ESE		1.1										1.1	5.0
SE	1.1											1.1	2.0
SSE	2.2											2.2	2.0
S	1.1											3.2	2.3
SSW	3.2	3.2	1.1									7.5	4.1
SW	2.2	2.2	1.1									5.4	4.2
WSW	2.2	1.1										4.3	2.8
W	2.2	1.1	1.1									5.4	3.4
WNW	1.1											3.2	2.0
NW	1.1											2.2	2.5
NNW	1.1											2.2	2.0
VARBL													
CALM												46.2	
	35.6	10.2	6.5									100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 92

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAUREL HILL YEARS 1975 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 24
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.4											5.4	2.0
NNE	0.2											3.2	2.7
NE			1.1									1.1	9.0
NNE	1.1		1.1									2.2	4.5
E		1.1										1.1	6.0
ESE	1.1											1.1	2.0
SE	1.1	1.1										2.2	3.0
SSE	1.1		1.1									2.2	4.5
S	1.1											1.1	3.0
SSW	4.2	1.1	1.1									6.4	3.5
SW	1.1	1.1										2.2	4.5
WSW	3.9	1.1	1.1									7.5	3.7
W	11.5	1.1	1.1									12.9	2.6
WNW	0.4											5.4	1.6
NW	1.1											1.1	1.0
NNW	1.1	1.1										2.2	3.0
VARBL													
CALM												43.0	
	47.7	7.5	4.5									100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 43

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147- LAKEVIEW, N.C. STATION NAME 1950 YEARS ALL
STATION LAKEVIEW CLASS 07
CONDITION 07
MOON (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.7										5.8	3.1
NNE	1.5											2.3	2.7
NE	1.4	1.3	.6									3.2	4.4
ENE	1.3	1.3	.3									4.2	4.2
E	1.4	.3	.3									2.9	3.6
ESE	.6	.3										1.0	2.7
SE	.7	.3										.5	3.5
SSE	1.3	.3	.7									1.6	3.8
S	2.0	1.6	.6									4.8	4.0
SSW	2.3	2.2	1.0									6.5	4.1
SW	3.2	2.3	1.3									7.4	3.9
WSW	3.0	4.2										7.7	3.7
W	3.1	3.2	1.6	.3								8.7	4.6
WNW	2.2	4.5	.3									7.7	4.0
NW	4.2	2.2	1.0									8.4	3.6
NNW	1.5	1.0	.3									3.5	3.9
VARBL													
CALM												23.5	
	37.4	31.0	7.7	.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LANE-HURST, NJ YEARS 73-82 MONTH AUG
CLASS ALL WEATHER MOON (L.S.V.) 10
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.2	1.7									6.5	4.6
NNE	2.6	2.3	1.0									5.5	3.8
NE	1.7	2.7	1.7									2.9	3.9
NNE	1.3	2.2	1.3	.3								5.8	5.4
E	1.0	3.5	2.6	.3								7.4	6.3
ESE	1.5	1.2										2.9	3.9
SE		1.3	.6									1.9	5.5
SSE	.7	.6	1.7									1.7	5.3
S	1.2	3.5	1.5									7.4	4.9
SSW	.3	2.3	1.6	1.0								5.2	6.9
SW	1.5	1.7	3.2	.6								7.7	6.3
WSW	.6	2.2	4.2									7.4	6.8
W	2.3	4.2	3.2	1.6								11.3	6.9
WNW	1.3	4.2	1.5	.3								7.7	6.0
NW	2.3	3.5	1.5	.3								7.7	5.2
NNW	.6	2.2	1.3	.3								5.5	5.9
VARA													
CALM												5.7	
	22.6	41.6	27.7	4.8								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 145THURST, NJ STATION NAME 73-82 YEARS 1967 MONTH 17
ALL WEATHER CLASS 17 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.6									2.2	4.4
NNE	.6	1.6	.3									2.6	4.6
NE	1.3	1.3	.3									2.6	4.1
ENE	.6	1.9	2.9	.3								5.6	6.8
E	1.0	2.6	1.9	.3								5.8	5.9
ESE	1.3	2.9	1.0									4.8	4.7
SE	.3	4.2	.3	.3								5.2	5.6
SSE		.6	1.7									1.6	6.8
S	.6	1.3	3.2	.6								5.9	7.4
SSW	.3	2.3	1.3	.3								4.2	6.6
SW	.6	3.7	3.2	.3								7.7	6.9
WSW	.1	3.2	3.2	1.3								8.7	7.5
W	2.6	5.2	6.9	3.9								18.4	7.4
WNW	1.9	4.5	2.6	.3								9.4	8.8
NW	.6	2.6	1.0	1.3								5.5	7.6
NNW	1.5	2.9	1.3	.3								6.3	5.5
VARBL													
CALM												2.3	
	14.2	41.9	32.3	9.4								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 312

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LANFOLLET, NJ YEAR 73-82 MONTH AUG
CLASS ALL WEATHER HOURS (LST) 16
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3		.7								2.6	5.6
NNE	.0	1.3										1.3	4.2
NE	.0	.6	.5									1.2	5.7
ENE	.6	1.2	.6	.3								3.5	6.3
E	.0	3.6	2.3	.3								6.3	6.0
ESE	.0	2.3	1.2									3.2	5.5
SE	1.2	6.1	2.5									10.3	5.8
SSE		1.0	4.5									6.5	7.3
S	.0	1.3	4.5	.6								7.4	7.5
SSW	1.2	1.6	2.5	.6								6.1	6.7
SW		1.0	3.2	.3								4.5	7.6
WSW	.0	3.6	3.2	1.0								8.7	7.0
W	1.2	4.5	5.2	2.6								13.3	7.6
WNW	1.2	3.2	2.3	.6								7.4	6.5
NW	.0	3.2	3.2	.6								7.4	6.9
NNW	.0	3.6	.5	.3								4.7	5.5
VABL													
CALM												2.9	
	10.7	41.1	37.5	7.8								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAKEHURST, NJ STATION NAME LAKEHURST, NJ YEARS 17-80 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) 19
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.3										2.3	2.1
NNE	.3	.6	.3	.3								1.6	7.0
NE	.3	1.3										1.2	3.7
ENE	2.0	.6	.3									3.6	3.3
E	2.0	1.3	.3									4.2	3.5
ESE	2.0	1.3										3.9	3.5
SE	5.2	2.3										7.4	3.1
SSE	3.5	2.6	1.2									10.0	3.6
S	2.4	2.0	2.0									18.8	4.1
SSW	1.6	2.9	1.3									5.8	4.9
SW	2.2	2.3	.3	.3								5.3	4.2
WSW	1.3	1.0	.3									2.6	3.6
W	4.5	1.3										5.8	2.8
WNW	1.6	1.3	.3									5.2	3.2
NW	1.3	1.0	.3									2.6	3.5
NNW	1.5	.3	.3									1.9	3.8
VARBL													
CALM												16.5	
	47.2	29.2	7.4	.6								100.7	3.1

TOTAL NUMBER OF OBSERVATIONS 305

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LEADERSHIP, NJ YEARS 73-77 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) 22
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.7									1.6	5.0
NNE	.5	.6										1.3	3.6
NE	.3											.7	2.0
ENE	1.3	.5	1.3									2.9	5.2
E	.5	.6										1.0	4.0
ESE	1.3		.3									2.3	2.7
SE	1.6	.6										2.3	3.0
SSE	1.6	1.0										2.6	3.4
S	7.1	2.7	.3									10.4	3.2
SSW	2.6	4.9	1.6									9.1	4.6
SW	2.3	2.6	1.3									6.2	4.7
WSW	2.6	1.9	.3	.3								5.2	4.6
W	2.2	2.6	.6									6.5	3.5
WNW	1.7	1.0	.3									3.2	3.4
NW	1.7	1.3	.3									4.2	4.2
NNW	1.9	.3				.3						2.6	5.3
VARBL													
CALM												78.3	
	31.8	22.4	6.6	.3		.3						100.5	2.5

TOTAL NUMBER OF OBSERVATIONS 308

8808

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 117 STATION NAME LAUREL, NC YEARS 1950-51 MONTH ALL
CLASS ALL WEATHER HOURS (LST) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	.7	.2								3.6	3.9
NNE	1.6	1.0	.2	.2								2.7	3.9
NE	.7	.7	.5									2.1	4.7
ENE	1.4	1.6	1.2	.1								4.3	5.3
E	1.2	1.2	1.1	.1								4.4	5.3
ESE	1.2	1.4	.7									2.9	4.7
SE	1.4	2.3	.5	.7								4.3	4.6
SSE	1.6	1.1	1.2									3.0	4.8
S	2.3	2.3	2.1	.2								8.5	4.8
SSW	1.4	2.3	1.2	.3								6.2	5.3
SW	1.0	2.2	2.2	.2								6.3	5.5
WSW	1.7	2.1	2.1	.4								6.7	5.7
W	1.2	3.3	2.7	1.3								10.5	5.8
WNW	2.3	2.0	1.2	.2								6.6	4.9
NW	1.5	2.4	1.1	.3								5.6	5.3
NNW	1.3	1.2	.7	.1		.2						4.0	5.1
VARBL													
CALM												17.0	
	21.2	32.1	19.7	3.5		.2						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2542

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 167 STATION NAME LAKE-URST, NJ YEARS 23-75 GEP 01
 CLASS ALL WEATHER MONTH 01
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1										3.3	2.0
NNE	2.2	2.2										5.6	3.4
NE	2.2		2.2									4.4	4.6
ENE	2.2		1.1									3.3	4.7
E	1.1	2.2										3.3	4.7
ESE		1.1										1.1	4.7
SE													
SSE	2.2											3.3	2.0
S	1.1		1.1									2.2	5.5
SSW	1.1	2.2		1.1								4.4	5.5
SW	2.2	1.1										3.3	3.7
WSW	2.2	2.2										5.6	3.2
W	1.1	2.2										3.3	3.3
WNW	2.2			1.1								6.7	4.7
NW	2.2	1.1	4.4									8.9	5.4
NNW	2.2	1.1										4.4	2.8
VARBL													
CALM												36.7	
	3.4	17.8	6.9	2.2								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 20

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1477 STATION NAME LAUREST, NJ YEARS 73-75 NORTH SEP

CLASS ALL WEATHER HOURS (LST) 04

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.2										5.6	3.6
NNE	1.1	1.1										2.2	2.5
NE	2.2		1.1									4.4	3.0
ENE	2.2		1.1									3.3	3.3
E	1.1	1.1										2.2	3.5
ESE	1.1	2.2										3.3	4.1
SE	1.1	1.1										2.2	4.0
SSE	1.1											1.1	2.0
S	3.3	1.1										4.4	2.8
SSW	2.2			1.1								3.3	1.0
SW	1.1											1.1	2.0
WSW	1.1	2.2										3.3	3.7
W	2.2	1.1										4.4	2.8
WNW	4.4	1.1	1.1									6.7	3.8
NW	4.4	1.1	1.1									6.7	2.2
NNW		3.3	1.1									4.4	2.5
VARBL													
CALM												91.1	
	3.4	17.6	3.6	1.1								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 71

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 LAFORST, NJ STATION NAME 73-01 YEARS 98
MONTH 07
CLASS ALL WEATHER
HOURS (L.S.T.) 07
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7										5.4	3.5
NNE	2.7	1.0										4.7	2.8
NE	1.7	1.3	1.7									4.7	4.9
ENE	2.0	.7	1.3									4.0	5.0
E	.7	1.7	.3									2.7	5.1
ESE	1.0	.7										1.7	3.4
SE	.7	1.0										1.0	4.3
SSE	1.3	1.0	.7									3.0	4.3
S	.7	.3	.7		.3							1.7	7.0
SSW	1.0	2.0	.3	.3								3.7	5.3
SW	1.0	1.7	.7	.4								1.7	5.5
WSW	2.7	2.7	.3									5.3	3.7
W	5.7	5.7	1.3	.7								12.7	4.7
WNW	2.7	2.7	.7									6.0	3.9
NW	1.7	2.0	1.7									4.7	5.5
NNW	1.7	2.0	.7									5.4	3.7
VARBL													
CALM												10.0	
	32.3	22.3	9.1	1.3	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 107 STATION NAME ASHEVILLE, NC YEARS 1950-51 REF 107
CLASS 107 HOURS (L S Y) 107
CONDITION 107

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.7									1.7	4.7
NNE	1.7	1.7	1.7									1.7	4.7
NE	1.7	2.7	1.7									1.7	4.7
ENE	1.7	3.3	1.7									1.7	4.7
E	2.7	2.7	2.7	1.7								1.7	4.7
ESE	1.7	1.7	1.7	1.7								1.7	4.7
SE		2.7	1.7	1.7								1.7	4.7
SSE	1.7	1.7	1.7									1.7	4.7
S	1.7	1.7	1.7	1.7								1.7	4.7
SSW	1.7	1.7	2.7	1.7								1.7	4.7
SW	1.7	1.7	2.7	1.7								1.7	4.7
WSW	1.7	1.7	1.7	1.7								1.7	4.7
W	2.7	1.7	1.7	1.7								1.7	4.7
WNW	1.7	2.7	1.7	1.7								1.7	4.7
NW	1.7	1.7	1.7	1.7								1.7	4.7
NNW	1.7	1.7	1.7	1.7								1.7	4.7
VARBL													
CALM													
	1.7	3.3	3.3	1.7								1.7	4.7

TOTAL NUMBER OF OBSERVATIONS 107

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE, NC YEARS 77-78 CLIP 17
CLASS ALL WEATHER MONTH 17
CONDITION HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	1.7	1.7								5.7	5.1
NNE	1.7	1.7	1.7									2.7	4.9
NE	1.7	2.7	3.7									6.7	5.5
ENE	1.7	2.7	2.7									6.7	5.9
E	1.7	2.7	2.7									6.7	5.9
ESE	1.7	1.7	1.7									4.7	5.5
SE	1.7	1.7	1.7									3.3	6.4
SSE		1.7	2.7	1.7								4.7	6.3
S	1.7	1.7	2.7	1.7								7.3	7.0
SSW	1.7	1.7	2.7	1.7								4.7	6.3
SW	1.7	1.7	2.7	1.7								4.7	6.1
WSW	1.7	1.7	4.7	2.7								8.3	9.2
W	1.7	2.7	5.7	2.7								10.7	5.6
WNW	1.7	2.7	6.7	1.7	1.3							13.7	7.8
NW	1.7	2.7	2.7	2.3								7.7	6.6
NNW	1.7	1.3	1.7									3.7	6.8
VARBL													
CALM												2.7	
	14.7	24.7	45.7	17.7	1.3							120.7	7.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 STATION NAME ASHEVILLE, NC YEARS 72-82 SFD 500
 CLASS ALL WEATHER HOURS (LST) 16
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	.7									2.3	4.7
NNE	.7	.3										.7	3.5
NE	1.7	2.7	2.7									5.7	5.9
ENE	.7	7.7	1.7									4.7	5.1
E	.7	4.3	2.7									7.7	5.7
ESE		4.3	1.7									5.7	5.9
SE	.7	4.3	4.7									9.3	6.6
SSE	1.7	2.3	3.7	.3								6.7	6.4
S	.7	1.7	5.7	1.7								8.3	8.6
SSW		.7	1.7	.3								2.0	8.5
SW	.7	1.3	4.3	.3								6.4	7.6
WSW	.7	.7	2.3	.7								4.0	8.1
W	.7	5.7	5.3	2.7								13.3	7.7
WNW	.7	2.7	4.7	2.3	.3							9.7	9.0
NW	.7	2.7	3.7	1.7								7.7	7.6
NNW	.7	2.7	2.3									5.7	5.8
VARBL													
CALM												1.0	
	7.0	19.3	43.7	9.3	.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAKESHORE, NJ YEARS 73-82 CFP MONTHS SEP
CLASS ALL WEATHER HOURS (LST) 15
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7										2.3	3.4
NNE	1.7	.7	.3									2.7	3.5
NE	3.0	1.7	1.0									5.7	3.5
NNE	1.7	.7		.3								2.7	4.1
E	1.7	2.7	1.7	.3								5.3	5.6
ESE	1.7	1.7										3.3	3.5
SE	4.3	3.3										9.7	3.1
SSE	4.3	4.0	1.3									9.7	4.1
S	4.0	7.3	2.7									13.3	4.7
SSW	2.3	1.3	1.7									5.7	4.8
SW	2.3	1.7	.7									4.3	4.1
WSW	.3	3.0										3.3	4.4
W	1.7	.7	.3	.7								3.3	5.4
WNW	1.3	1.7	.7	.3								5.0	4.7
NW	1.3	1.3										2.7	3.8
NNW	1.7	2.3										4.0	3.8
VARBL													
CALM												16.0	
	36.7	33.7	10.7	1.7								100.7	3.4

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAFFINERST. N.W. STATION NAME 73-25 YEARS SEP
CLASS ALL WEATHER MONTH 22
CONDITION 10000 (L.S.V.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3										2.3	3.0
NNE	1.3	1.3										3.7	3.6
NE	1.0	2.3	1.0									4.3	4.9
ENE	.7	1.0	1.0	.3								3.0	6.4
E	1.3	1.3	.3	.3								3.7	4.0
ESE	.3	2.3										2.7	4.2
SE	1.0	.3										1.3	2.2
SSE	2.3	.3	.7	.3								4.3	3.6
S	2.7	1.7	1.3	.3	.7							6.3	5.5
SSW	2.0	2.7	1.3									6.0	4.7
SW	1.0	2.7	.3									4.0	4.8
WSW	1.7	3.3	.7									5.3	4.3
W	1.7	1.0	1.0	.7								4.3	6.0
WNW	.7	.7	1.0									5.7	3.5
NW	1.7	2.3	.7									5.7	4.0
NNW	1.0	.3	.3									2.7	3.1
VARBL													
CALM												35.0	
	24.3	25.0	7.3	2.0	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 STATION NAME LANCASTER, N.C. YEARS 73-92 MONTH SEP
CLASS ALL WEATHER
HOURS (L.S.T.) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	.4	.1								4.0	4.2
NNE	1.0	1.3	.8									3.4	3.7
NE	1.6	1.9	2.9									5.5	5.1
NNE	1.3	1.7	1.5	.1								4.5	5.5
E	1.2	2.4	1.3	.2								5.1	5.5
ESE	.7	1.6	.7	.1								3.2	5.1
SE	1.4	1.9	1.0	.1								4.3	5.0
SSE	1.8	1.5	1.4	.7								5.0	5.2
S	1.8	2.2	2.2	.5	.1							6.8	6.2
SSW	1.1	1.4	1.7	.4								4.1	6.0
SW	1.0	1.3	1.6	.5								4.4	6.4
WSW	1.0	2.0	1.6	.6								5.2	6.3
W	2.1	2.3	2.9	1.3								9.0	6.5
WNW	2.3	2.1	2.4	.9	.1							7.6	6.4
NW	1.7	2.1	1.7	.7								6.0	6.3
NNW	1.5	1.6	1.0	.1								4.3	4.6
VARBL													
CALM												17.1	
	23.5	30.1	23.5	5.5	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1986

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10700 LAKEHURST, NJ STATION NAME 73-75 YEARS 001
MONTH 01
HOURS (L.S.T.) 01
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.0											5.4	2.2
NNE	2.2	2.2										5.4	3.6
NE		1.1										1.1	5.0
ENE	1.1			1.1								2.2	4.5
E	1.1	1.1	1.1		1.1							4.3	3.3
ESE		1.1										1.1	5.0
SE	1.1											1.1	2.0
SSE													
S	1.1		1.1									3.2	5.3
SSW		2.2										2.2	5.5
SW	1.1		1.1									2.2	6.5
WSW	2.2	4.3	1.1									7.5	4.7
W	4.3	1.1	1.1									10.8	3.5
WNW	4.3	4.3										8.6	3.5
NW	4.3	6.5										10.8	3.7
NNW		1.1										1.1	5.0
VARBL													
CALM												13.3	
	32.3	26.3	5.4	1.1	1.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 93

SMOS

2408

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION LAKEHURST, NJ 75-52 YEARS OCT NORTH
ALL WEATHER CLASS 57 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.7									4.9	3.5
NNE	1.7	1.6	1.0									4.6	4.6
NE	1.6	1.6										2.6	3.6
ENE	1.6	1.7	.7	.3								3.3	4.7
E	1.6	1.7	.3	.7								3.6	5.4
ESE	.7		.3									1.0	4.0
SE		1.7	.3									1.6	5.0
SSE	2.0	.3	.7									2.9	4.6
S	1.6	1.3	.3									3.3	3.4
SSW	1.6	.3	.7	.3								2.9	5.2
SW	2.3	2.6	.7									5.5	4.1
WSW	2.3	2.7	.7	.3								4.9	4.7
W	4.6	5.2	2.9	.7	.7							14.7	5.5
WNW	2.6	3.3	.7	.3								6.6	4.6
NW	2.6	2.9	.3									5.9	4.0
NNW	1.6	1.6	.7									3.6	4.5
VARBL													
CALM												78.0	
	31.3	27.4	10.1	2.6	.7							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 327

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 146 FURST, NJ STATION NAME 23-20 YEARS OCT MONTH 10 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.2	1.5	.3								7.7	5.5
NNE	1.3	2.6	1.7	.3								4.8	5.3
NE	1.3	2.6	3.2	.3								7.7	5.7
ENE	1.3	.6	2.3	.6								4.5	7.4
E	1.3	1.6	1.7			.7						4.2	6.5
ESE	1.3	1.3	.7									2.9	4.3
SE	.3	1.3	1.7									2.6	6.6
SSE	.3	1.3	.6	.3		.3						2.6	8.6
S	.3	1.3	2.6	.3								6.5	5.6
SSW		1.3	1.3	1.0								3.2	9.2
SW	.3	.6	.6	1.0								2.6	7.9
WSW	.3	2.6	3.2	2.3								9.7	7.2
W	1.3	2.6	4.2	4.2	1.3	.7						14.5	10.0
WNW	1.3	1.3	2.6	3.5								8.7	8.9
NW	.3	1.3	3.2	2.9								8.7	8.7
NNW	.3	2.6	1.7	.3								4.8	6.3
VARBL													
CALM												4.7	
	11.2	29.4	32.7	13.4	1.0	1.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 147 STATION NAME LAUREL RST. NJ YEARS 73-81 MONTH OCT
CLASS ALL WEATHER
CONDITION
HOUSE (L.S.T.) 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	1.0	.3								5.2	5.5
NNE	.3	1.7	.3	.6								2.5	5.4
NE	.3	1.0	2.3									3.2	6.3
ENE	1.0	.3	3.0	.6								5.5	7.2
E	1.0	1.3	2.6	.3								5.5	6.4
ESE	1.0	1.6	1.0									4.2	4.9
SE	.3		1.3									2.7	7.8
SSE		.3	2.4	.3								3.2	8.5
S	1.0	1.3	.6	.6	.3							3.9	7.6
SSW	1.0	2.3	1.0	1.6								6.1	4.7
SW	.3	1.0	1.3	.6	.3							4.5	7.9
WSW		2.4	1.6	1.6	.3							6.8	8.7
W	.3	4.8	2.4	4.5	1.3							19.7	9.2
WNW	.3	.6	4.8	5.2	.6							11.5	10.9
NW	.3	.6	4.2	1.3	.3							6.2	9.4
NNW	1.3	2.0	1.3	.6								6.1	5.9
VARBL													
CALM												1.7	
	11.0	25.3	38.7	18.4	3.2							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1671 STATION LAFORREST, NC 73-92 YEARS OCT MONTH 14 HOURS (L.S.T.)

ALL HEATED CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.2
NNE	1.3	1.3	.6	.3								2.2	5.6
NE	.3	2.6	.3									3.2	4.9
ENE	.3	1.3	1.3	.6								3.2	7.7
E	1.3	3.5	1.6	.3								7.4	5.3
ESE	1.3	3.5	.6									5.8	4.3
SE	1.3	1.3	2.3	.3								5.2	5.1
SSE	.3	1.3	1.3									4.2	6.5
S	.6	1.3	3.2	1.3								6.1	7.9
SSW	.6	.6	1.3	.6								2.2	7.5
SW	.6	1.3	2.3	1.3								5.2	7.8
WSW	.3	1.3	2.3	.3								4.2	7.0
W	1.3	4.2	3.5	3.5	.3							18.4	8.1
WNW	1.3	1.3	5.8	3.2	.3							11.7	9.0
NW	.3	.6	4.9	2.3								8.1	9.1
NNW	1.3	2.6	1.6	.3								5.3	5.8
VARBL													
CALM												1.0	
	15.2	30.3	30.4	13.9	.6							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 316

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11 STATION NAME ASHEVILLE YEARS 19
CLASS 19
CONDITION 19

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	33.2	24.7	11.5	5.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107 STATION 107 STATION NAME LAKESIDE, NC YEARS 1950 MONTH 06
CLASS 11 WEATHER 12 HOURS (L E T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	1.0									4.5	3.7
NNE	1.7	1.7	1.0									1.7	4.2
NE	1.0	1.0	1.0	1.7								2.3	4.2
ENE	1.7	1.7		1.7								2.3	4.5
E	1.0	1.0	1.0	1.0								4.0	6.5
ESE	1.0	1.0	1.0									1.0	4.2
SE	1.0	1.0										1.0	2.3
SSE	1.0	1.0	1.0									1.0	2.3
S	1.0	1.0	1.0	1.0								2.3	5.6
SSW	1.0	2.3	1.0									4.8	4.8
SW	1.0	2.3	1.0	1.0								6.0	4.4
WSW	1.0	2.3	1.0	1.0	1.0							7.1	2.4
W	1.0	1.0	1.0	1.0								9.0	4.5
WNW	1.0	1.0	1.0									5.4	4.2
NW	1.0	1.0	1.0	1.0								4.5	5.7
NNW	1.0	2.3	1.0	1.0								5.5	4.4
VARBL													
CALM												25.5	
	33.3	22.6	12.9	4.0	1.3							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: ASHEVILLE, NC YEARS: 1967 MONTH: NOV

CLASS: 01 WEATHER HOURS (LST): ALL

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.1	1.1	1.1								4.4	4.4
NNE	1.1	1.1	1.1	1.1								3.3	3.3
NE	1.1	1.1	1.1	1.1								3.3	3.3
ENE	1.1	1.1	1.1	1.1								3.3	3.3
E	1.1	1.1	1.1	1.1	1.1							5.5	5.5
ESE	1.1	1.1	1.1	1.1	1.1							5.5	5.5
SE	1.1	1.1	1.1	1.1	1.1							5.5	5.5
SSE	1.1	1.1	1.1	1.1	1.1							5.5	5.5
S	1.1	1.1	1.1	1.1	1.1							5.5	5.5
SSW	1.1	1.1	1.1	1.1	1.1							5.5	5.5
SW	1.1	1.1	1.1	1.1	1.1							5.5	5.5
WSW	1.1	1.1	1.1	1.1	1.1							5.5	5.5
W	1.1	1.1	1.1	1.1	1.1							5.5	5.5
WNW	1.1	1.1	1.1	1.1	1.1							5.5	5.5
NW	1.1	1.1	1.1	1.1	1.1							5.5	5.5
NNW	1.1	1.1	1.1	1.1	1.1							5.5	5.5
VARBL													
CALM													
	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

TOTAL NUMBER OF OBSERVATIONS 200

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 147 STATION NAME ALL WEATHER YEARS 1975 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 01
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	2.0
NNE	1.1	2.2										2.2	4.3
NE													
ENE		1.1										1.1	4.0
E													
ESE	1.1											1.1	1.0
SE	4.4	2.2										6.7	2.0
SSE													
S	1.1	2.2	1.1									6.7	5.0
SSW	2.2	1.1	1.1									4.4	4.3
SW	2.2	2.2	1.1									7.8	4.0
WSW		4.4	2.2									12.7	6.1
W	1.1	2.2	4.4	1.1								14.4	5.3
WNW	1.1		2.2	1.1								7.8	3.5
NW	1.1	2.2	1.1	4.4								10.2	1.2
NNW	4.4	1.1										5.6	2.2
VARBL													
CALM												20.0	
	22.2	27.4	15.4	6.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 97

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7 STATION NAME LAUREL PT. NJ YEARS 73-75 MONTH NOV
CLASS 111 WEATHER HOURS (L.S.T.) 04
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1											1.1	3.0
NNE		1.1										1.1	5.0
NE			1.1									1.1	7.0
ENE	1.1											1.1	2.0
E	1.1											1.1	2.0
ESE	2.2	1.1										3.3	3.0
SE		1.1										1.1	5.0
SSE	1.1	1.1										2.2	3.5
S	2.2		1.1	1.1								4.4	6.3
SSW	1.1	1.1										5.6	2.8
SW	1.1	1.1	1.1									4.4	4.5
WSW	1.1	2.2	2.2									14.4	5.1
W	2.2	2.2	5.6	1.1								16.7	6.3
WNW	2.2	4.4	1.1									7.8	4.1
NW		1.1		2.2								3.3	11.0
NNW	2.2	1.1	1.1									2.2	3.8
VARBL													
CALM												25.6	
	21.7	22.9	14.4	4.4								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 20

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION LAUREL, NC STATION NAME LAUREL, NC YEARS 73-74 MONTH NOV
CLASS ALL WEATHER HOURS (L.S.T.) 07
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	.7										4.0	2.4
NNE	1.7	1.7										2.0	1.7
NE	1.7	2.7	.7									4.3	4.3
ENE	.7	1.7	.3									2.0	4.3
E	.7	1.7	1.7	.3								3.0	6.4
ESE	.3	.7										1.0	4.0
SE	1.7	1.7										2.0	3.5
SSE	.7	1.7	.7									1.7	5.6
S	1.7	2.7	.7									5.0	4.3
SSW	1.3	1.3										2.7	3.5
SW	2.3	1.7	2.0	.3								6.7	5.4
WSW	2.3	6.3	1.7									9.7	4.6
W	4.3	5.3	2.7	1.3								13.7	5.6
WNW	2.7	2.3	2.3	.7								9.7	5.1
NW	2.7	2.7	.3	1.3								6.3	6.2
NNW	1.7	1.7	.3	.3								3.7	5.0
VARBL													
CALM												24.0	
	27.7	32.3	11.7	4.3								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-71 LACONOST, NC STATION NAME 73-02 YEARS NOV
ALL WEATHER 10
 CLASS HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	1.3	.7								4.7	6.1
NNE	1.7	2.1	.3									4.0	3.5
NE	1.7	3.3	1.0									5.3	4.9
ENE	1.7	2.7	1.7									6.0	4.9
E	2.0	1.7	1.0	.3								4.7	4.9
ESE	.7	.7	.2									1.7	5.7
SE	.7	.7	.7									1.7	5.2
SSE	.7	1.0		.7								1.7	6.1
S	.7	1.0	.7	.3								4.7	7.9
SSW	.7	.7	2.7	.7								4.0	8.7
SW	.7	.7	2.7	.7								4.7	7.9
WSW	.7	1.7	1.0	1.7								4.0	3.8
W	1.0	3.3	6.7	7.0	1.0							19.0	10.0
WNW	1.7	4.0	6.3	5.0	.7							17.0	3.9
NW		1.0	3.7	2.7	.7							8.0	10.3
NNW	1.0	.7	2.4									4.0	6.4
VARBL													
CALM												5.7	
	17.0	25.3	34.7	19.0	2.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 110

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION LAKEMOREST, NJ 73-42 YEARS NOV NORTH
ALL WEATHER CLASS 17 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7	1.3	.7								3.0	2.0
NNE	1.7	1.7	.3									3.7	4.4
NE	.7	1.0	.7									2.4	5.0
ENE	1.7	2.7	2.3		.3							5.7	7.1
E	1.3	2.7	.7									4.7	4.1
ESE	1.3	.3	2.1									3.3	5.4
SE	.3	1.7	.7									2.0	5.2
SSE			.7	.3								.7	10.6
S	.7	2.0	2.3	1.0	.3							6.2	7.9
SSW	.7	1.7	1.7	1.7								5.7	7.0
SW		1.7	1.7	1.3								4.7	8.6
WSW		.7	3.7	2.0	.3							6.7	10.4
W	1.7	3.0	5.3	8.3	1.3							19.3	10.8
WNW		.7	4.7	4.3	.7							12.0	10.2
NW		1.0	7.7	4.0								12.7	9.9
NNW	.3	2.3	1.3	1.3								5.0	8.2
VARBL													
CALM												2.7	
	2.0	27.7	36.7	25.0	3.0							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 390

SMOS

RUSS GPO 1964 741-348/701

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0470 STATION NAME LAURENCE, AL YEARS 73-82 NCY NOV
 CLASS ALL WEATHER HOURS (L.S.T.) 16
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.7	.7									4.3	4.2
NNE	.7	1.3	.3									2.0	4.3
NE	1.3	.3										1.3	3.0
ENE	.7	1.7	.3	.3								3.0	5.9
E	.3	4.3	1.0									5.7	5.4
ESE	1.3	2.7	.3									4.2	4.1
SE	.3	3.0	1.3									4.7	5.4
SSE	.7	1.0	1.3									3.0	5.7
S	.7	2.7	2.0	1.0								6.3	7.0
SSW	.3	1.0	1.0	.7	.7							3.7	9.4
SW	.7	2.0	2.7	.3								5.7	6.8
WSW	.7	1.3	3.3	1.0								6.3	7.6
W	.7	5.3	7.3	4.3	.7							20.3	8.2
WNW	.7	3.7	4.3	3.0								11.7	8.5
NW	.3	2.0	5.7	2.3								10.3	9.9
NNW	1.3	.7	3.3	.3								5.3	7.1
VARBL													
CALM												2.0	
	11.3	35.0	35.0	12.3	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147- LAKELAND, NJ 72-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 19
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.7									2.3	3.7
NNE	1.3	1.3	.7									2.7	4.1
NE	1.3	.7	.3									2.3	3.4
ENE		1.7	.7	.7								3.7	7.4
E	1.7	1.3	.7									3.7	4.3
ESE	1.3	.3										1.7	2.4
SE	1.3	.7	.3									2.3	3.9
SSE	2.3	1.3	.7									4.3	4.5
S	2.3	4.7	1.3	.7								8.7	5.1
SSW	4.3	1.3	.7	.3								6.7	4.0
SW	2.7	.7										3.7	2.6
WSW	1.7	1.7	1.7	.7								5.7	5.7
W	3.3	3.7	3.3	1.3	.7							12.3	6.6
WNW	2.3	2.7	2.3	1.3	.7							8.7	6.8
NW	2.3	3.3	3.7	1.7								10.3	6.3
NNW	1.3	.7	.7									3.7	3.9
VARBL													
CALM												20.3	
	31.7	25.7	16.0	6.3	1.3							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 140 COURST. NW STATION NAME 73-32 YEARS NOV MONTH 22 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	.7									5.7	3.6
NNE	2.7	.7										3.7	2.7
NE	1.7	1.7	.3									2.3	4.2
ENE	.7	.3	1.7	.3								3.7	7.1
E	.7	.3	.7									1.7	5.7
ESE	1.7											1.7	2.3
SE	.3	1.7										1.3	4.3
SSE	1.7	.7										1.7	3.2
S	2.7	1.7	2.7	1.7								7.3	6.1
SSW	1.7	2.7	1.7	.3								5.7	5.2
SW	2.7	1.7	1.7	.3								5.7	4.6
WSW	2.3	2.3	2.7									6.7	4.9
W	2.3	3.3	3.3	1.3		.7						11.7	6.7
WNW	1.7	2.7	3.3	.3								8.7	6.6
NW	1.7	2.3	2.7	1.7								7.3	6.6
NNW	1.7	.7	.3									2.3	4.2
VARBL													
CALM												23.3	
	27.3	23.0	19.7	4.7		.7						100.7	4.6

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 LAKE CAST, NJ 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.3	.7	.2								3.7	4.5
NNE	1.4	1.3	.3									2.7	3.8
NE	1.7	1.3	.5									2.7	4.4
ENE	.3	1.5	1.1	.2	.1							3.4	6.2
E	1.1	1.7	.8	.1								3.0	4.9
ESE	1.7	.7	.4									2.1	4.1
SE	.3	1.3	.5									2.5	4.5
SSE	.4	.4	.4	.1								2.1	5.1
S	1.2	2.4	1.0	.7	.1							6.3	6.3
SSW	1.6	1.4	1.1	.6	.1							4.7	6.0
SW	1.5	1.4	1.5	.5								5.1	6.0
WSW	1.4	2.6	2.2	.8	.1							7.0	6.6
W	.3	4.1	4.8	3.7	.6	.1						16.0	8.1
WNW	1.7	2.5	3.7	2.2	.3							10.7	7.8
NW	1.7	2.1	3.5	2.3	.1							8.9	5.3
NNW	1.4	1.1	1.3	.3								4.1	5.7
VARBL													
CALM												14.1	
	21.1	27.5	24.6	11.5	1.2	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1950

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1471 STATION 1471 CRST. NW 77-75 YEARS DEC 81
STATION NAME CLASS HOUSE (L.S.V.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5											3.5	2.0
NNE	1.2		1.2									2.3	5.5
NE	1.2	2.3	2.3									5.8	6.2
ENE	1.2		1.2			1.2						3.5	11.7
E	1.2											1.2	2.0
ESE		1.2										1.2	2.0
SE	1.2											1.2	2.0
SSE			1.2									1.2	15.0
S			3.5	1.2	1.2							5.8	11.0
SSW	2.3		1.2									3.5	4.7
SW	2.3	2.3	2.3	1.2								8.1	6.4
WSW		3.5	1.2									3.5	6.7
W	2.3	3.5	3.5	1.2								10.5	6.9
WNW	1.2	1.2	3.5	2.3								8.1	0.7
NW	2.3	4.7			2.3							9.3	7.1
NNW	2.3	3.5	1.2									7.7	5.0
VARBL													
CALM												24.4	
	22.1	27.6	22.1	5.8	3.5	1.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 36

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

107 STATION LAURELST, NJ 73-75 YEARS DEC MONTH 04 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.4	1.2									7.1	3.9
NNE		2.4										2.4	6.0
NE	2.4		1.2	1.2								4.7	6.3
ENE		1.2	1.2									2.4	7.1
E		1.2		1.2								2.4	6.5
ESE		1.2										1.2	6.0
SE		1.2										1.2	6.0
SSE	2.4		1.2									3.5	3.7
S			1.2									1.2	7.0
SSW				2.4								2.4	12.0
SW	1.2	3.5	1.2	1.2								7.1	6.5
WSW	1.2		1.2									2.4	4.5
W	2.4	5.9	2.4	3.5								14.1	6.7
WNW	1.2	2.4	4.7	2.4								10.6	7.3
NW	3.5	2.4	2.4	1.2	1.2							10.6	7.9
NNW	2.4	2.4										4.7	3.0
VARB													
CALM												12.4	
	20.0	25.4	17.6	12.9	1.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 45

8MOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 142 LANCASTER, NC STATION NAME 13-22 YEARS DEC
CLASS ALL WEATHER MONTH 77
CONDITION HOURLY (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.4									4.2	4.2
NNE	1.5	.6	.7	.3								3.5	4.5
NE	.4	1.3	.5	.3								2.5	4.1
ENE	1.4		.7									1.6	3.6
E	.7	.7	.3	.3								1.7	3.5
ESE	.7		.7									1.0	4.7
SE	.4	.3		.4								1.3	5.3
SSE	1.4		1.7									1.9	5.7
S	1.7	.4	1.4	.7								3.5	6.4
SSW	.4	1.4	1.4									2.6	5.4
SW	.7	.6	1.7									4.2	3.8
WSW	1.9	1.4	1.4	.6								5.9	5.7
W	4.5	3.5	3.5	3.5	.3	.7						15.4	7.1
WNW	3.4	2.6	3.2	1.6								10.0	6.4
NW	3.4	2.3	2.6	1.6	.6							9.7	7.8
NNW	1.4	2.3										3.9	3.9
VARBL													
CALM												26.0	
	25.8	18.7	18.4	9.0	1.0	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 311

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION 147-01 STATION NAME LAKE OUST, NC YEARS 73-77 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 17
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	.3								5.0	5.0
NNE	.7	1.7	1.7	.3								3.0	6.0
NE	1.0	1.3	1.0									3.0	4.7
ENE	.3	2.3	1.0									3.0	5.7
E	1.0	.0	.7	1.0								2.0	4.0
ESE	.7	1.0	.7									1.0	5.0
SE	.0	.0										1.0	4.0
SSE	.0	.2	.7	.7		.7						1.0	11.0
S	1.0	1.0	2.0	.7								5.0	6.0
SSW	.7	.0	1.0	1.0								3.0	1.7
SW	.0	1.0	2.0	1.0								5.0	7.0
WSW	.0	1.0	1.0	1.0								4.0	7.0
W	2.0	2.0	5.0	1.0	1.0							13.0	6.0
WNW	2.0	1.0	3.0	6.0	1.0	.7						16.0	10.0
NW	.7	1.0	6.0	3.0	1.0	.7						13.0	10.0
NNW	.7	2.0	1.0		.3							4.0	6.0
VARBL													
CALM												7.0	
	17.1	21.0	32.3	17.1	4.2	1.0						110.0	7.4

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 11-1 STATION NAME 11-1 YEARS 11-1 MONTH 11-1

CLASS 11-1 HOURS (L S T) 11-1

CONDITION 11-1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS 11-1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-7 CAPE ROYAL, NC STATION NAME CAPE ROYAL, NC YEARS 1964-1965 MONTH DEC
ALL WEATHER CLASS 16
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.0	.7									5.3	4.7
NNE	2.0	1.0	.7	.7								5.5	4.4
NE	1.7	1.7	.6									2.6	5.1
ENE	.7	.7										.6	2.6
E	1.0	1.0	.7			.7						3.2	5.1
ESE	.7	1.7	.7									1.7	4.7
SE	1.0	1.7										2.6	3.1
SSE	1.0	1.7			.7							2.6	5.5
S	.7	1.0	1.7	.6								6.1	7.2
SSW	.7	2.7	1.7	.6								4.5	6.4
SW	1.3	1.7	1.7	.7								4.4	5.3
WSW	1.3	2.0	1.7	.7								5.8	5.5
W	1.7	4.7	4.0	1.6	.3							15.2	6.7
WNW	.7	2.7	7.1	3.2	2.3							17.4	9.9
NW	.7	2.6	4.6	3.0	.2							13.7	6.4
NNW	1.7	1.3	1.7	1.7								4.5	7.8
VARBL													
CALM												1.0	
	10.4	52.3	26.5	12.6	7.2	.3						100.7	6.6

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 107 STATION NAME 107-107 YEARS 77-78 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 19
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.4	.7									2.6	3.5
NNE	.2	.5										1.0	4.3
NE	1.5	1.7	1.7									3.6	4.7
ENE	.7	.3	.4		.2							1.6	6.4
E	1.5	.4	.7	.2	.2	.2						3.6	6.3
ESE	.7	.4	.7									1.8	5.7
SE	1.7	.6										2.3	3.0
SSE	.4	.4	.7									1.3	4.8
S	2.7	2.5	1.9	.6								7.8	6.5
SSW	1.0	1.4	1.0	.7								5.5	6.2
SW	1.7	1.3	.6									3.6	4.2
WSW		1.7	.6									2.3	5.1
W	2.6	4.2	2.6	2.3	.3		.7					13.3	7.3
WNW	1.5	1.3	2.6	1.6	.6							10.7	9.2
NW	1.5	2.7	1.5	1.7	.3							7.8	6.7
NNW	1.4	.6	2.7	.7								4.7	5.6
VARBL													
CALM												26.9	
	22.7	23.3	16.3	5.4	1.6	.3	.3					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 314

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

147 STATION NAME LAUREL, NJ YEARS 73-77 MONTH DEC
CLASS ALL WEATHER HOURS (LST) 22
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0										2.0	3.8
NNE	1.0	1.0	.7									2.7	4.6
NE	.7	1.0	1.0	.7								3.0	5.3
ENE	.7	.7	.7	.7		.7						2.0	5.3
E	.7	.7										.7	3.0
ESE	.7		.7									1.0	5.0
SE	.7	1.0										2.0	3.7
SSE	.7	.7	.7	.7								2.3	6.1
S	1.0	1.0	.7	.7		.7						3.0	6.3
SSW	1.0	1.0	1.0	.7								4.0	5.4
SW	.7	1.0	1.0	.7								3.0	7.1
WSW	1.0	2.0	1.0	.7								4.0	4.0
W	2.0	2.0	1.0	1.0	1.0							10.0	7.7
WNW	1.0	1.0	2.0	2.0								10.0	6.7
NW	3.0	1.0	2.0	1.0	1.0							11.0	7.5
NNW	1.0	1.0	.7									3.0	3.0
VARBL													
CALM												0.0	
	22.0	10.7	15.0	8.0	2.3	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 304

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 107 STATION NAME LAUREL, NC YEARS 77-80 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.Y.) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.5	.0								3.5	4.3
NNE	1.0	1.1	.5	.2								3.2	5.0
NE	1.2	1.3	.0	.1								3.4	5.2
ENE	.5	.6	.5	.0	.0	.1						2.0	6.5
E	1.0	.0	.2	.4	.0	.1						2.3	6.6
ESE	.4	.7	.6									1.5	5.1
SE	.0	.2	.0	.0								2.0	3.8
SSE	.7	.4	.5	.2	.0	.0						2.2	6.3
S	1.1	1.5	2.0	.7	.0	.0						5.5	6.7
SSW	1.0	1.2	1.2	.5								3.9	6.4
SW	1.7	1.2	1.6	.5	.0							4.7	6.4
WSW	1.0	2.0	1.4	.5	.1							5.0	6.3
W	.0	3.7	4.2	2.6	.5	.1	.0					13.9	7.7
WNW	1.0	2.2	3.9	3.0	.9	.1						12.7	9.3
NW	.1	2.5	3.7	2.5	.9	.1						11.9	8.7
NNW	1.0	1.5	1.1	.5	.0							4.5	6.2
VARBL													
CALM												17.1	
	20.2	23.5	22.0	12.8	2.9	.7	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2024

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1071 STATION LEXFORD, NJ 73-80 YEARS ALL MONTH ALL HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.7	.1			.2					3.9	4.5
NNE	1.1	1.1	.4	.1								2.7	4.5
NE	1.0	1.1	.2	.1								3.0	5.2
ENE	.7	1.3	1.1	.3	.0	.0						3.6	6.1
E	1.2	1.7	1.1	.3	.0	.7						4.3	5.7
ESE	.9	1.7	.7	.0								2.9	5.0
SE	.9	1.7	1.0	.1	.0							3.3	5.4
SSE	1.3	1.3	1.1	.3	.0	.0						3.9	5.6
S	1.0	2.2	1.0	.7	.1	.0						6.6	6.3
SSW	1.1	1.5	1.4	.6	.0							4.6	6.3
SW	1.4	1.5	1.5	.5	.0							5.0	5.2
WSW	1.3	2.1	1.0	.8	.1	.0						6.1	6.8
W	2.4	3.2	3.2	2.6	.5	.1	.3	.3				12.7	7.9
WNW	1.7	2.2	3.0	2.2	.4	.1	.0					9.7	6.3
NW	1.9	2.2	2.9	1.8	.3	.1						8.5	5.0
NNW	1.5	1.7	1.4	.5	.0	.0						4.9	6.1
VARBL													
CALM												14.1	
	21.3	27.3	24.5	10.8	1.5	.4	.1	.2				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 24066

SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14700 STATION NAME LAKELAND, VA YEARS 23-24 MONTH ALL

INSTRUMENT CIG 200 TO 1400 FT W/VISBY 1/2 MI OR MORE. CLASS ALL

CONDITION AND/OR VISBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.0	.7	.1			.0					4.0	4.4
NNE	2.5	2.5	1.8	.3								5.6	5.0
NE	1.7	2.0	2.9	.2								7.4	5.2
ENE	2.0	2.6	3.1	1.2	.2	.1						9.1	7.0
E	2.2	2.0	2.0	1.8	.1	.1						9.1	6.5
ESE	1.6	1.3	1.1	.2								4.5	5.3
SE	1.7	2.3	1.1	.2	.1							5.0	5.5
SSE	1.1	1.2	1.5	.7	.0	.1						4.7	7.2
S	1.7	1.7	2.0	1.2	.3	.0						6.7	7.5
SSW	1.1	1.5	1.2	.6								4.4	6.4
SW	1.1	1.1	.8	.2								3.2	5.4
WSW	1.7	1.0	1.2	.2	.1	.0						4.7	5.5
W	2.4	2.4	1.7	.5	.1	.0	.0					7.3	5.7
WNW	1.1	1.3	1.0	.3	.1		.0					3.9	5.1
NW	.7	.9	.7	.2								2.7	5.6
NNW	1.2	1.1	.6	.1		.0						3.1	4.9
VARBL													
CALM												13.4	
	24.4	17.1	23.3	7.4	.0	.3	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 3762

SMOS

CEILING-VISIBILITY

NOCD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{3}$	$\geq \frac{1}{4}$	≥ 0	
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10
Scattered converted to 3/10
Broken converted to 9/10
Overcast converted to 10/10
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 20000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 18000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 16000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 14000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 12000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 10000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 9000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 8000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 7000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 6000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 5000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 4500	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 4000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 3500	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 3000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 2500	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 2000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 1800	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 1500	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 1200	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 1000	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 900	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 800	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 700	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 600	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 500	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 400	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 300	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 200	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 100	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 0	1.1	44.1	44.1	44.1	41.2	45.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 20000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 18000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 16000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 14000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 12000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 10000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 9000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 8000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 7000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 6000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 5000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 4500	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 4000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 3500	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 3000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 2500	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 2000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 1800	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 1500	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 1200	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 1000	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 900	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 800	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 700	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 600	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 500	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 400	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 300	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 200	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 100	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 0	7.7	46.7	47.7	48.6	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.0	3.0	4.0	4.0	61.0	1.0	47.0	1.4	42.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 20000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 18000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 9000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 8000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 7000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 6000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 5000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4500	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3500	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2500	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1800	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1500	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1200	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1000	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 900	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 800	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 700	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 600	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 500	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 400	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 300	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 200	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 100	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 0	1.0	3.0	4.0	4.0	47.0	1.0	47.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

1956
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS 11 57

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 20000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 18000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 16000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 14000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 12000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 10000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 9000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 8000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 7000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 6000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 5000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4500	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3500	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2500	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1800	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1500	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1200	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1000	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 900	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 800	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 700	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 600	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 500	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 400	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 300	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 200	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 100	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 0	1.7	17.4	41.4	35.5	27.7	22.7	17.4	11.7	10.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS 111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 18000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 16000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 14000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 9000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 8000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 6000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 5000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4500	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3500	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2500	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1800	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1500	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1200	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1000	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 900	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 800	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 700	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 600	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 500	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 400	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 300	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 200	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 100	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 0	7.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 20000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 18000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 16000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 14000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 12000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 10000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 9000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 8000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 7000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 6000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 5000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 4500	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 4000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 3500	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 3000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 2500	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 2000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1800	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1500	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1200	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 900	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 800	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 700	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 600	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 500	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 400	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 300	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 200	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 100	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING
≥ 20000
IV 18000
IV 16000
IV 14000
IV 12000
IV 10000
IV 9000
IV 8000
IV 7000
IV 6000
IV 5000
IV 4500
IV 4000
IV 3500
IV 3000
IV 2500
IV 2000
IV 1800
IV 1500
IV 1200
IV 1000
IV 900
IV 800
IV 700
IV 600
IV 500
IV 400
IV 300
IV 200
IV 100
IV 0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	77.2	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 18000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 16000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 14000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 12000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 10000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 8000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 6000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 5000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4500	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3500	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 3000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2500	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 2000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1800	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1500	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1200	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 1000	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 900	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 800	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 700	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 600	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 500	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 400	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 300	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 200	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 100	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 0	77.1	47.7	47.1	47.4	47.7	48.7	49.1	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7

TOTAL NUMBER OF OBSERVATIONS

710

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENT
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 20000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 16000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 14000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 12000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 10000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 9000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 8000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 7000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 6000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 5000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 4500	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 4000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 3500	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 3000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 2500	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 2000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 1800	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 1500	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 1200	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 1000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 900	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 800	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 700	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 600	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 500	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 400	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 300	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 200	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 100	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 0	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7

TOTAL NUMBER OF OBSERVATIONS 200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	1.1	1.2	51.2	51.2	51.1	71.2	51.2	71.2	71.2	71.2	51.2	51.2	51.2	51.2	51.2	71.2
IV 18000	4.5	5.7	54.3	58.3	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 16000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 14000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 10000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 9000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 7000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 6000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 5000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4500	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3500	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 3000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2500	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 2000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1800	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1500	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1200	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 1000	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 900	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 800	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 700	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 600	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 500	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 400	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 300	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 200	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 100	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 0	4.5	5.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 18000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 16000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 14000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 12000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 10000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 9000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 8000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 7000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 6000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 5000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 4500	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 4000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 3500	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 3000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 2500	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 2000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1800	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1500	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1200	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 1000	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 900	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 800	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 700	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 600	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 500	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 400	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 300	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 200	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 100	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 0	41.7	41.7	41.7	41.7	41.7	42.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1

TOTAL NUMBER OF OBSERVATIONS 24

DIPNAVOCEANME1 SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)7
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
≥ 20000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 18000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 16000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 14000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 12000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 10000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 9000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 8000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 7000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 6000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 5000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 4500	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 4000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 3500	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 3000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 2500	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 2000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 1800	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 1500	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 1200	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 1000	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 900	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 800	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 700	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 600	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 500	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 400	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 300	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 200	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 100	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7
IV 0	11.7	42.1	40.7	47.2	47.5	38.9	48.9	48.7	49.7	49.7	49.7	49.3	49.3	49.3	49.7	49.7

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
≥ 20000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 18000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 16000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 14000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 12000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 10000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 9000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 8000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 7000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 6000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 5000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4500	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3500	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2500	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1800	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1500	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1200	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1000	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 900	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 800	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 700	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 600	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 500	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 400	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 300	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 200	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 100	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 0	7.7	6.7	1.1	1.1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
IV 20000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 18000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 16000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 14000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 12000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 10000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 9000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 8000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 7000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 6000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 5000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 900	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 700	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 600	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 400	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 300	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 100	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
≥ 20000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 18000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 16000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 14000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 12000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 10000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 8000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 7000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 6000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 5000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 4500	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 4000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 3500	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 3000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 2500	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 2000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 1800	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 1500	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 1200	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 1000	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 900	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 800	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 700	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 600	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 500	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 400	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 300	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 200	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 100	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 0	1.2	4.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3

TOTAL NUMBER OF OBSERVATIONS

DiNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 20000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 18000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 16000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 14000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 12000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 10000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 9000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 8000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 7000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 6000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 5000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 4500	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 4000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 3500	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 3000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 2500	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 2000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 1800	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 1500	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 1200	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 1000	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 900	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 800	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 700	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 600	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 500	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 400	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 300	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 200	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 100	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7
IV 0	1.7	1.7	5.7	7.7	17.7	22.7	28.7	38.7	48.7	53.7	58.7	63.7	68.7	73.7	78.7	83.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 20000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 18000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 16000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 14000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 12000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 10000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 9000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 8000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 7000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 6000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 5000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 4500	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 4000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 3500	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 3000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 2500	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 2000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 1800	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 1500	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 1200	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 1000	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 900	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 800	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 700	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 600	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 500	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 400	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 300	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 200	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 100	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
IV 0	1.7	4.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCENMET 5MOS

UNCLASSIFIED

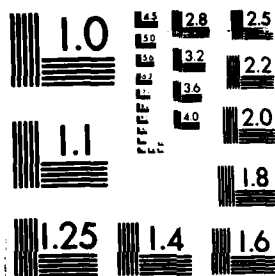
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
LAKEHURST NEW JERSEY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

3/4

F/G 4/2

ML

A 10x10 grid of squares. The top-left square is shaded gray, representing 1% of the total area.



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963 A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 07 LANCHESTER, NC STATION NAME 12-12 YEARS FEB NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 16000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 14000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 12000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 10000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 9000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 8000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 7000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 6000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 5000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 4500	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 4000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 3500	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 3000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 2500	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 2000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 1800	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 1500	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 1200	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 1000	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 900	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 800	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 700	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 600	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 500	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 400	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 300	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 200	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 100	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 0	48.1	49.7	47.5	49.8	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4

TOTAL NUMBER OF OBSERVATIONS 1552

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

3

STATION 1875 LAKEHURST, WV STATION NAME 73-75 YEARS MAP NORTH 01 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	74.7	38.7	33.7	38.7	34.7	38.7	32.7	33.7	39.7	38.7	32.7	38.7	39.7	39.6	39.9
≥ 20000	28.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.1	45.2	45.2	45.2
IV 18000	28.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.1	45.2	45.2	45.2
IV 16000	28.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.1	45.2	45.2	45.2
IV 14000	28.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.1	44.1	45.2	45.2	45.2
IV 12000	28.7	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3	47.3	48.4	48.4	48.4
IV 10000	32.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.5	50.5	51.6	51.6	51.6
IV 9000	32.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	50.5	50.5	51.6	51.6	51.6
IV 8000	35.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	57.0	57.0	58.1	58.1	58.1
IV 7000	37.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	60.2	60.2	61.3	61.3	61.3
IV 6000	37.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	60.2	60.2	61.3	61.3	61.3
IV 5000	40.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	63.4	63.4	64.5	64.5	64.5
IV 4500	41.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.8	68.8	69.9	69.9	69.9
IV 4000	43.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9	69.9	71.0	71.0	71.0
IV 3500	43.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9	69.9	71.0	71.0	71.0
IV 3000	44.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	72.0	72.0	73.1	73.1	73.1
IV 2500	45.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	75.3	75.3	76.3	76.3	76.3
IV 2000	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	78.5	79.6	79.6	79.6
IV 1800	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	78.5	79.6	79.6	79.6
IV 1500	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	78.5	79.6	79.6	79.6
IV 1200	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	78.5	79.6	79.6	79.6
IV 1000	46.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.5	78.5	79.6	79.6	79.6
IV 900	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 800	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 700	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 600	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 500	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 400	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 300	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 200	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 100	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8
IV 0	46.2	78.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.7	81.7	82.8	82.8	82.8

TOTAL NUMBER OF OBSERVATIONS 92

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAKEHURST, NJ

STATION NAME

72-75

YEARS

MAP
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)24
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	26.9	36.7	39.7	34.7	38.7	38.7	38.7	39.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.8
IV 20000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3
IV 18000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3
IV 16000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3
IV 14000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3
IV 12000	30.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	46.2	46.2	46.2	46.2	46.2	46.2	47.3
IV 10000	30.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.4	48.4	48.4	48.4	48.4	48.4	49.5
IV 9000	31.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	49.5	49.5	49.5	49.5	49.5	49.5	50.6
IV 8000	34.4	53.8	53.8	54.8	54.8	54.8	54.8	54.8	54.8	55.9	55.9	55.9	55.9	55.9	55.9	57.0
IV 7000	35.5	55.9	55.9	57.0	57.0	57.0	57.0	57.0	57.0	58.1	58.1	58.1	58.1	58.1	58.1	59.1
IV 6000	36.5	55.9	55.9	57.0	57.0	57.0	57.0	57.0	57.0	58.1	58.1	58.1	58.1	58.1	58.1	59.1
IV 5000	38.7	59.1	59.1	60.2	60.2	60.2	60.2	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3	62.4
IV 4500	38.7	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3	62.4	62.4	62.4	62.4	62.4	62.4	63.4
IV 4000	40.2	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7	66.7	66.7	66.7	67.7
IV 3500	40.2	66.7	66.7	67.7	67.7	67.7	67.7	67.7	67.7	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 3000	43.0	71.0	71.0	72.0	72.0	72.0	72.0	72.0	72.0	73.1	73.1	73.1	73.1	73.1	73.1	74.2
IV 2500	43.0	72.0	72.0	73.1	73.1	73.1	73.1	73.1	73.1	74.2	74.2	74.2	74.2	74.2	74.2	75.3
IV 2000	43.0	73.1	73.1	74.2	74.2	74.2	74.2	74.2	74.2	75.3	75.3	75.3	75.3	75.3	75.3	76.3
IV 1800	43.0	73.1	73.1	74.2	74.2	74.2	74.2	74.2	74.2	75.3	75.3	75.3	75.3	75.3	75.3	76.3
IV 1500	44.1	74.2	74.2	76.3	76.3	76.3	76.3	76.3	76.3	77.4	77.4	77.4	77.4	77.4	77.4	78.5
IV 1200	44.1	75.3	75.3	77.4	78.5	78.5	78.5	78.5	78.5	79.6	79.6	79.6	79.6	79.6	79.6	80.7
IV 1000	44.1	75.3	76.3	78.5	79.6	80.7	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	82.8
IV 900	44.1	75.3	76.3	78.5	79.6	80.7	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	82.8
IV 800	44.1	75.3	76.3	78.5	79.6	80.7	80.7	80.7	80.7	81.7	81.7	81.7	81.7	81.7	81.7	82.8
IV 700	44.1	75.3	76.3	78.5	80.7	81.7	81.7	81.7	81.7	82.8	82.8	82.8	82.8	82.8	82.8	83.9
IV 600	44.1	76.3	77.4	79.6	81.7	82.8	82.8	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9	85.0
IV 500	44.1	76.3	77.4	79.6	81.7	82.8	82.8	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9	85.0
IV 400	44.1	76.3	77.4	79.6	81.7	82.8	82.8	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9	85.0
IV 300	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	85.0	86.1
IV 200	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	85.0	86.1
IV 100	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	85.0	86.1
IV 0	44.1	77.4	78.5	80.7	82.8	83.9	83.9	83.9	83.9	85.0	85.0	85.0	85.0	85.0	85.0	86.1

TOTAL NUMBER OF OBSERVATIONS 24

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LAKEHURST, NJ

STATION NAME

73-82

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.2	37.7	39.0	39.7	39.4	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.0
≥ 20000	41.0	44.5	46.1	46.1	46.8	47.4	48.4	48.4	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.7
≥ 18000	41.0	44.5	46.1	46.1	46.8	47.4	48.4	48.4	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.7
≥ 16000	41.0	44.5	46.1	46.1	46.8	47.4	48.4	48.4	48.4	48.4	48.4	48.7	48.7	48.7	49.0	49.7
≥ 14000	41.3	44.8	46.5	46.5	47.1	47.7	48.7	48.7	48.7	48.7	48.7	49.0	49.0	49.0	49.4	50.0
≥ 12000	42.3	45.8	47.4	47.4	48.1	48.7	49.7	49.7	49.7	49.7	49.7	50.0	50.0	50.0	50.3	51.0
≥ 10000	45.5	50.0	51.6	51.6	52.3	52.9	53.9	53.9	53.9	53.9	53.9	54.2	54.2	54.2	54.5	55.1
≥ 9000	46.1	50.7	52.3	52.3	52.9	53.6	54.5	54.5	54.5	54.5	54.5	54.8	54.8	54.8	55.2	55.8
≥ 8000	51.3	56.1	58.1	58.4	59.0	60.0	61.0	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.6	62.3
≥ 7000	52.6	57.4	59.4	59.7	60.3	61.3	62.3	62.3	62.3	62.3	62.3	62.6	62.6	62.6	62.9	63.6
≥ 6000	53.6	58.4	60.3	60.7	61.3	62.3	63.2	63.2	63.2	63.2	63.2	63.6	63.6	63.6	63.9	64.5
≥ 5000	56.8	61.6	63.6	64.5	65.2	66.5	67.4	67.4	67.4	67.4	67.4	67.7	67.7	67.7	68.1	68.7
≥ 4300	58.4	63.2	65.8	66.8	67.4	68.7	69.7	69.7	70.0	70.0	70.0	70.3	70.3	70.3	70.7	71.0
≥ 4000	61.3	66.1	68.7	70.3	71.0	72.3	73.2	73.2	73.6	73.6	73.6	73.9	73.9	73.9	74.2	74.5
≥ 3300	62.9	69.4	71.0	72.9	73.6	74.8	75.8	75.8	76.1	76.1	76.1	76.5	76.5	76.5	76.8	77.4
≥ 3000	63.2	69.0	71.9	73.9	75.2	76.5	77.4	77.4	77.7	77.7	77.7	78.1	78.1	78.1	78.4	79.0
≥ 2300	64.5	70.3	73.2	75.2	76.5	77.7	78.7	78.7	79.0	79.0	79.0	79.4	79.4	79.4	79.7	80.3
≥ 2000	64.5	70.3	73.2	75.8	77.1	78.4	79.4	79.4	79.7	79.7	79.7	80.0	80.0	80.0	80.3	81.0
≥ 1800	64.9	70.7	74.2	76.1	77.4	78.7	79.7	79.7	80.0	80.0	80.0	80.3	80.7	80.7	81.0	81.6
≥ 1500	65.8	71.9	75.5	77.4	78.7	80.0	81.0	81.0	81.6	81.6	81.6	82.3	82.3	82.3	82.6	83.2
≥ 1200	66.8	72.9	76.5	78.4	80.0	81.3	82.6	83.6	84.2	84.2	84.2	84.5	84.8	84.8	85.2	85.8
≥ 1000	66.8	73.2	77.1	79.0	80.7	81.9	83.2	84.2	84.2	84.2	84.2	84.5	84.8	84.8	85.2	85.8
≥ 900	66.8	73.6	77.4	79.4	81.3	82.6	83.9	84.2	85.2	85.2	85.2	85.5	85.8	85.8	86.1	86.7
≥ 800	66.8	73.6	77.7	79.7	81.5	82.9	84.2	84.2	85.2	85.2	85.2	85.5	85.8	85.8	86.1	86.7
≥ 700	66.8	73.6	77.7	79.7	81.6	82.9	84.2	84.2	85.2	85.2	85.2	85.5	85.8	85.8	86.1	86.7
≥ 600	67.1	73.9	78.4	80.3	82.9	84.8	86.5	87.1	88.1	88.1	88.1	88.4	88.7	88.7	89.0	89.7
≥ 500	67.7	74.5	79.4	81.9	85.2	87.4	89.4	90.0	91.0	91.0	91.0	91.3	91.6	91.6	91.9	92.6
≥ 400	67.7	74.5	79.4	82.3	85.5	88.1	90.3	91.0	91.9	91.9	91.9	92.3	92.6	92.6	92.9	93.6
≥ 300	67.7	74.5	79.4	82.6	86.1	88.4	91.3	91.0	91.9	91.9	91.9	92.3	92.6	92.6	92.9	93.6
≥ 200	67.7	74.5	79.4	82.6	86.1	88.4	91.3	91.0	91.9	91.9	91.9	92.3	92.6	92.6	92.9	93.6
≥ 100	67.7	74.5	79.4	82.6	86.1	88.4	91.3	91.0	91.9	91.9	91.9	92.3	92.6	92.6	92.9	93.6
≥ 0	67.7	74.5	79.4	82.6	86.1	88.4	91.3	91.0	91.9	91.9	91.9	92.3	92.6	92.6	92.9	93.6

TOTAL NUMBER OF OBSERVATIONS

311

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 07 LAKEMOREST, NC STATION NAME 73-22 YEARS MONTH 10 HOURS (LST) 13

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	24.9	38.2	39.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	71.4	47.6	48.5	48.5	48.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 18000	71.4	47.6	48.5	48.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 16000	71.4	47.6	48.5	48.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 14000	71.4	47.6	48.5	48.5	48.5	48.5	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 12000	72.0	48.5	49.5	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 10000	73.3	51.5	52.4	52.4	52.4	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 9000	73.3	51.5	52.4	52.4	52.4	52.4	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 8000	76.6	57.3	59.3	58.6	59.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 7000	76.6	58.6	59.6	59.9	60.2	60.2	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 6000	76.6	59.2	60.2	60.5	61.2	61.2	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 5000	77.2	60.5	61.5	62.1	62.8	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 4500	77.2	61.8	62.8	63.8	64.7	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 4000	77.2	64.4	65.4	66.3	68.0	68.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 3500	77.2	68.3	69.3	70.2	71.8	72.2	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 3000	77.2	71.8	72.8	74.1	75.7	76.1	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	77.2	73.8	75.1	77.0	79.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2000	77.2	76.1	77.4	79.3	81.6	81.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1800	77.2	76.1	77.4	79.3	81.6	81.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1500	77.2	76.1	77.4	79.6	82.2	82.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 1200	77.2	76.4	78.0	80.3	82.9	83.2	84.1	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	77.2	76.4	78.3	80.6	83.2	83.5	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 900	77.2	76.4	78.3	80.6	83.2	83.5	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 800	77.2	76.4	78.3	80.9	84.5	84.8	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 700	77.2	76.4	78.3	80.9	84.8	85.1	87.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 600	77.2	76.7	78.6	81.2	85.4	85.8	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 500	77.2	76.7	78.6	81.6	85.8	86.1	88.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	77.2	76.7	78.6	81.6	86.4	87.4	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 300	77.2	76.7	78.6	81.6	86.7	88.0	91.3	94.8	94.8	95.8	96.1	96.4	96.8	96.8	96.8	96.8
IV 200	77.2	76.7	78.6	81.6	86.7	88.0	91.6	95.8	95.8	97.4	98.1	98.4	98.7	99.0	99.0	99.0
IV 100	77.2	76.7	78.6	81.6	86.7	88.0	91.6	95.8	95.8	97.4	98.1	98.4	98.7	99.0	99.0	99.0
IV 0	77.2	76.7	78.6	81.6	86.7	88.0	91.6	95.8	95.8	97.4	98.1	98.4	98.7	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 109

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONLAURELHURST, N.J.
STATION NAME73-32
YEARSM A
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.5	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000	33.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 18000	33.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 16000	33.2	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000	33.2	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 12000	33.2	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 10000	35.5	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 9000	35.5	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 8000	37.1	52.3	52.6	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 7000	37.4	53.6	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 6000	37.7	53.9	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 5000	38.1	55.2	55.8	55.8	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 4500	39.4	57.1	57.7	57.7	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 4000	41.7	62.6	63.2	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3500	46.1	68.7	69.4	69.7	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3000	50.0	74.8	75.5	75.8	76.8	76.8	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	51.7	76.5	77.4	77.7	79.0	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	51.6	78.1	79.4	80.0	81.3	81.6	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1800	51.9	78.4	79.7	80.3	81.6	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	51.9	78.7	80.7	81.6	83.6	83.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1200	51.9	78.7	80.7	81.6	83.6	83.9	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1000	52.3	79.7	81.9	82.9	85.5	86.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 900	52.3	80.0	82.3	83.2	86.5	87.7	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	52.3	80.3	82.9	83.9	87.4	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	52.3	80.7	83.2	84.2	88.1	89.4	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 600	52.3	80.7	83.2	84.2	88.7	90.3	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	52.3	80.7	83.2	84.2	89.7	90.7	92.6	94.2	94.2	94.5	94.8	94.8	94.8	94.8	94.8	94.8
IV 400	52.3	80.7	83.2	84.5	90.7	91.9	94.5	97.1	97.1	97.1	97.4	97.7	97.7	97.7	97.7	97.7
IV 300	52.3	80.7	83.2	84.5	90.7	91.9	94.5	97.4	97.4	97.4	97.7	98.4	98.4	98.4	98.4	98.4
IV 200	52.3	80.7	83.2	84.5	90.7	91.9	94.5	97.4	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	52.3	80.7	83.2	84.5	90.7	91.9	94.5	97.4	97.7	98.1	98.7	99.0	99.0	99.0	99.0	99.0
IV 0	52.3	80.7	83.2	84.5	90.7	91.9	94.5	97.4	97.7	98.1	98.7	99.0	99.0	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

110

DIPNAVOCEANMET SMOS

NAVY WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

117
STATION

LAXFURST, NC

STATION NAME

72-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	27.4	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 20000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 18000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 16000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 14000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 12000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 10000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 9000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 8000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 7000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 6000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 5000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 4500	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 4000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 3500	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 3000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 2500	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 2000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 1800	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 1500	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 1200	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 1000	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 900	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 800	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 700	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 600	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 500	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 400	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 300	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 200	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 100	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 0	32.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1

TOTAL NUMBER OF OBSERVATIONS

212

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAKEHURST, NJ

STATION NAME

73-82

YEARS

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 18000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 9000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 8000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3500	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 3000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 2500	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 2000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1800	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1500	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1200	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1000	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 900	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 800	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 700	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 600	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 500	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 400	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 300	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 200	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 100	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 0	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

7
STATION

LA. 2057.

STATION NAME

77-200

YEARS

1485

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22
MOORE (1)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¼	≥ 0
NO CEILING	50.0	49.7	49.4	49.7	49.7	50.0	50.3	50.3	50.7	50.3	50.3	50.3	50.7	50.7	51.0	51.0
≥ 20000	52.2	53.2	53.9	54.2	54.2	54.5	54.8	54.8	54.9	54.8	54.8	54.8	55.2	55.2	55.5	55.5
IV 18000	52.5	53.2	53.9	54.2	54.2	54.5	54.8	54.8	54.9	54.8	54.8	54.8	55.2	55.2	55.5	55.5
IV 16000	52.9	53.2	53.9	54.2	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.2	55.5	55.5
IV 14000	52.9	53.6	54.2	54.5	54.5	54.8	55.2	55.2	55.7	55.2	55.2	55.2	55.5	55.5	55.8	55.8
IV 12000	53.2	54.5	55.2	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.8	56.8
IV 10000	54.5	57.1	57.7	58.1	58.1	58.4	58.7	58.7	59.7	58.7	58.7	58.7	59.0	59.0	59.4	59.4
IV 9000	54.5	57.7	58.7	59.0	59.0	59.4	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0	60.3	60.3
IV 8000	54.5	58.7	59.7	60.0	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	61.0	61.0	61.3	61.3
IV 7000	54.5	59.7	60.7	61.0	61.0	61.3	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.3	62.3
IV 6000	54.5	60.7	61.7	62.0	62.0	62.3	62.7	62.7	62.7	62.7	62.7	62.7	63.0	63.0	63.3	63.3
IV 5000	54.5	61.7	62.7	63.0	63.0	63.3	63.7	63.7	63.7	63.7	63.7	63.7	64.0	64.0	64.3	64.3
IV 4500	54.5	62.7	63.7	64.0	64.0	64.3	64.7	64.7	64.7	64.7	64.7	64.7	65.0	65.0	65.3	65.3
IV 4000	54.5	63.7	64.7	65.0	65.0	65.3	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.0	66.3	66.3
IV 3500	54.5	64.7	65.7	66.0	66.0	66.3	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.3	67.3
IV 3000	54.5	65.7	66.7	67.0	67.0	67.3	67.7	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.3	68.3
IV 2500	54.5	66.7	67.7	68.0	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.3	69.3
IV 2000	54.5	67.7	68.7	69.0	69.0	69.3	69.7	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.3	70.3
IV 1800	54.5	68.7	69.7	70.0	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.3	71.3
IV 1500	54.5	69.7	70.7	71.0	71.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.0	72.0	72.3	72.3
IV 1200	54.5	70.7	71.7	72.0	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	73.0	73.0	73.3	73.3
IV 1000	54.5	71.7	72.7	73.0	73.0	73.3	73.7	73.7	73.7	73.7	73.7	73.7	74.0	74.0	74.3	74.3
IV 900	54.5	72.7	73.7	74.0	74.0	74.3	74.7	74.7	74.7	74.7	74.7	74.7	75.0	75.0	75.3	75.3
IV 800	54.5	73.7	74.7	75.0	75.0	75.3	75.7	75.7	75.7	75.7	75.7	75.7	76.0	76.0	76.3	76.3
IV 700	54.5	74.7	75.7	76.0	76.0	76.3	76.7	76.7	76.7	76.7	76.7	76.7	77.0	77.0	77.3	77.3
IV 600	54.5	75.7	76.7	77.0	77.0	77.3	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.3	78.3
IV 500	54.5	76.7	77.7	78.0	78.0	78.3	78.7	78.7	78.7	78.7	78.7	78.7	79.0	79.0	79.3	79.3
IV 400	54.5	77.7	78.7	79.0	79.0	79.3	79.7	79.7	79.7	79.7	79.7	79.7	80.0	80.0	80.3	80.3
IV 300	54.5	78.7	79.7	80.0	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	81.0	81.0	81.3	81.3
IV 200	54.5	79.7	80.7	81.0	81.0	81.3	81.7	81.7	81.7	81.7	81.7	81.7	82.0	82.0	82.3	82.3
IV 100	54.5	80.7	81.7	82.0	82.0	82.3	82.7	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.3	83.3
0	54.5	81.7	82.7	83.0	83.0	83.3	83.7	83.7	83.7	83.7	83.7	83.7	84.0	84.0	84.3	84.3

TOTAL NUMBER OF OBSERVATIONS 314

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 77-78 MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	46.4	40.8	42.8	41.2	41.2	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.7
≥ 20000	41.1	47.4	48.7	48.6	48.6	48.8	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.3	49.4
IV 18000	41.1	47.4	48.7	48.6	48.6	48.8	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.3	49.4
IV 16000	41.1	47.5	48.3	48.7	48.7	48.8	49.0	49.1	49.1	49.2	49.2	49.2	49.3	49.4	49.5
IV 14000	41.0	47.7	48.6	48.9	48.9	49.1	49.2	49.4	49.4	49.4	49.5	49.5	49.6	49.6	49.7
IV 12000	41.4	48.5	49.3	49.7	49.7	49.9	50.1	51.2	51.2	51.3	51.3	51.4	51.5	51.6	51.7
IV 10000	43.1	51.6	52.6	53.0	53.0	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.8
IV 9000	43.2	52.2	53.1	53.5	53.5	53.6	53.8	54.0	54.0	54.0	54.1	54.1	54.2	54.2	54.3
IV 8000	45.0	56.7	57.8	58.4	58.6	58.8	59.1	59.2	59.2	59.3	59.3	59.4	59.5	59.5	59.7
IV 7000	45.2	58.7	59.9	60.6	60.8	61.0	61.3	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.8
IV 6000	46.2	59.2	60.3	61.0	61.3	61.5	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.2	62.4
IV 5000	46.2	60.7	62.0	62.7	63.2	63.3	63.8	63.9	63.9	64.0	64.0	64.1	64.2	64.2	64.4
IV 4500	47.7	63.7	64.4	65.3	65.9	66.1	66.6	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.2
IV 4000	48.3	66.5	67.9	68.9	69.7	69.9	70.5	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.3
IV 3500	41.1	69.4	70.9	71.9	73.0	73.2	73.7	73.9	73.9	74.0	74.1	74.1	74.3	74.3	74.5
IV 3000	42.9	72.0	74.5	75.6	76.7	77.0	77.6	77.8	77.8	77.9	78.0	78.0	78.1	78.1	78.4
IV 2500	43.4	74.8	76.5	77.9	79.1	79.4	80.0	80.2	80.2	80.3	80.3	80.4	80.5	80.5	80.8
IV 2000	43.2	76.0	77.9	79.4	80.7	81.1	81.6	81.9	81.9	82.0	82.0	82.1	82.2	82.2	82.4
IV 1800	43.9	76.1	78.0	79.5	80.8	81.2	81.8	82.0	82.0	82.1	82.2	82.3	82.4	82.4	82.6
IV 1500	43.9	76.7	78.9	80.6	82.2	82.7	83.3	83.5	83.6	83.7	83.8	83.9	84.0	84.1	84.3
IV 1200	43.0	77.1	79.5	81.1	82.8	83.4	84.1	84.4	84.4	84.6	84.7	84.7	84.8	84.8	85.1
IV 1000	44.0	77.4	80.0	81.8	83.6	84.5	85.2	85.5	85.6	85.8	85.9	86.0	86.2	86.2	86.5
IV 900	44.0	77.4	80.1	82.0	84.0	84.9	85.8	86.3	86.4	86.6	86.7	86.8	87.0	87.0	87.2
IV 800	44.0	77.7	80.3	82.5	84.7	85.7	86.7	87.2	87.4	87.6	87.7	87.9	88.1	88.1	88.3
IV 700	44.0	77.9	80.6	82.6	85.3	86.5	87.7	88.5	88.6	88.9	89.1	89.1	89.3	89.3	89.6
IV 600	44.1	78.0	80.8	83.1	85.8	87.2	88.9	89.8	89.9	90.2	90.5	90.6	90.8	90.8	91.1
IV 500	44.1	78.2	81.0	83.6	86.6	88.3	90.3	91.6	91.7	92.2	92.5	92.6	92.8	92.8	93.1
IV 400	44.1	78.2	81.0	83.6	87.2	89.1	91.3	92.9	93.1	93.6	94.0	94.1	94.4	94.4	94.7
IV 300	44.1	78.2	81.0	83.7	87.5	89.5	91.9	94.0	94.2	95.1	95.7	95.8	96.1	96.1	96.5
IV 200	44.1	78.2	81.0	83.7	87.5	89.5	92.0	94.6	94.9	95.9	96.8	97.0	97.5	97.6	98.3
IV 100	44.1	78.2	81.0	83.7	87.5	89.5	92.0	94.6	95.0	96.0	97.0	97.3	97.9	98.3	99.2
IV 0	44.1	78.2	81.0	83.7	87.5	89.5	92.0	94.6	95.0	96.0	97.0	97.3	97.9	98.3	99.2

TOTAL NUMBER OF OBSERVATIONS: 2045

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.6	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	55.6	55.6	55.6
≥ 20000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 18000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 16000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 14000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 12000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 10000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 9000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 8000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 7000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 6000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 5000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 4500	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 4000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 3500	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 3000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 2500	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 2000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 1800	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 1500	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 1200	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 1000	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 900	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 800	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 700	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 600	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 500	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 400	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 300	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 200	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 100	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2
IV 0	13.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2

TOTAL NUMBER OF OBSERVATIONS

9

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

3

STATION 187 STATION NAME 73-75 YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 18000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 16000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 14000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 12000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 10000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 9000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 8000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 7000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 6000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 5000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 4500	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 4000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 3500	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 3000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 2500	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 2000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 1800	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 1500	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 1200	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 1000	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 900	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 800	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 700	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 600	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 500	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 400	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 300	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 200	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 100	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
IV 0	4.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	47.3	47.3	47.3	47.3	51.7	1.3	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	52.0	52.0	52.0	52.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 18000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 16000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 14000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 12000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 10000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 9000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 8000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 7000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 6000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 5000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 4500	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 4000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 3500	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 3000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 2500	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 2000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1800	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1500	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1200	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 1000	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 900	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 800	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 700	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 600	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 500	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 400	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 300	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 200	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 100	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 0	51.7	51.7	51.7	51.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7

TOTAL NUMBER OF OBSERVATIONS

200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 147 LAKESIDE, NC STATION NAME 73-92 YEARS NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 18000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 16000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 9000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 8000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 7000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 6000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 5000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 4000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 3000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 2000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 1000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 900	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 800	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 700	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 600	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 500	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 400	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 300	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 200	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 100	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LAKE CROFT, NC

STATION NAME

73-00

YEARS

AP
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 18000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 16000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 14000	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 9000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 8000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 4500	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	73.7	74.3	74.3	74.3	74.3	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	76.0	77.0	77.3	77.3	77.7	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3000	81.7	82.7	83.0	83.7	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	83.3	84.3	84.7	85.7	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	84.0	85.0	85.3	86.3	86.7	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	85.0	85.0	85.0	86.3	86.7	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	86.0	86.0	86.0	86.3	87.7	88.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1200	85.7	86.7	87.7	87.7	89.0	89.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	86.7	87.7	88.7	89.7	91.3	91.3	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	87.0	88.0	89.0	89.3	91.3	92.0	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	87.3	88.3	89.0	90.0	92.3	93.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	87.3	88.7	90.3	93.0	94.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	87.3	88.7	90.7	93.3	94.3	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 500	87.3	88.7	91.0	93.7	95.3	96.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	87.3	88.7	91.0	93.7	95.7	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	87.3	88.7	91.0	93.7	95.7	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	87.3	88.7	91.0	93.7	95.7	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	87.3	88.7	91.0	93.7	95.7	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	87.3	88.7	91.0	93.7	95.7	97.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147

STATION NAME
LAWFORD ST, NC

YEARS
73-82

MONTH

APR
16

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	33.4	41.2	41.2	44.5	44.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	37.5	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	37.5	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	37.5	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	37.5	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	39.1	55.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 10000	41.5	58.2	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 9000	41.5	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 8000	43.1	62.2	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 7000	43.1	62.2	62.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	43.1	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 5000	44.2	65.9	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 4500	46.2	69.6	70.2	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	50.2	76.3	76.9	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3500	51.2	78.6	79.6	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	54.2	82.6	83.6	84.3	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2500	54.2	83.6	84.6	85.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 2000	55.2	84.2	85.3	86.0	87.0	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	55.2	85.2	86.0	86.6	87.6	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500	55.2	86.2	87.0	87.6	88.6	88.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200	55.2	86.3	87.6	88.3	89.3	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1000	55.2	86.6	88.3	89.0	90.3	90.3	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	55.2	86.6	88.6	89.3	90.6	90.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 800	55.2	87.3	89.3	90.3	92.0	92.0	93.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	55.2	87.3	89.6	90.6	92.3	92.3	94.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
IV 600	55.2	87.3	89.6	90.6	92.3	92.3	95.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	55.2	87.3	89.6	90.6	92.3	92.3	96.0	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	55.2	87.3	89.6	90.6	92.3	92.3	96.0	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	55.2	87.3	89.6	90.6	92.3	92.3	96.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 200	55.2	87.3	89.6	90.6	92.3	92.3	96.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 100	55.2	87.3	89.6	90.6	92.3	92.3	96.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0
IV 0	55.2	87.3	89.6	90.6	92.3	92.3	96.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

299

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LA FURST, NJ

STATION NAME

77-92

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.2	48.3	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	35.2	58.5	59.2	59.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	35.2	58.5	59.2	59.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	35.2	58.5	59.2	59.2	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 14000	36.5	59.5	60.2	60.2	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	37.8	61.2	62.5	62.5	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000	39.1	64.6	65.2	65.2	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 9000	39.1	64.6	65.2	65.2	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 8000	40.5	68.2	68.9	68.9	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 7000	41.5	69.9	70.6	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 6000	41.5	70.6	71.6	71.6	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 5000	42.2	72.2	73.2	73.6	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 4500	42.2	75.9	76.9	77.3	77.6	78.3	78.3	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	45.2	79.6	81.6	81.9	82.3	82.9	83.3	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 3500	45.2	80.9	82.6	84.0	84.3	85.0	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 3000	46.5	81.6	83.3	84.6	85.0	86.3	86.6	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 2500	46.5	82.3	84.0	85.3	85.6	87.0	87.3	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2000	46.5	82.9	84.6	86.0	86.3	87.6	88.0	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1800	46.5	82.9	85.0	86.3	86.6	88.0	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1500	46.5	83.3	85.3	87.0	87.3	89.0	89.6	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	46.5	83.3	85.3	87.0	87.3	89.0	89.6	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	46.5	83.6	85.6	87.6	88.0	90.0	90.6	90.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 900	46.5	84.0	86.0	88.0	88.3	90.3	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	46.5	84.0	86.0	88.3	89.3	91.6	93.0	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700	46.5	84.0	86.0	88.3	89.3	91.6	93.7	93.7	93.7	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	46.5	84.0	86.0	88.3	89.3	92.0	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 500	46.5	84.3	86.3	89.0	90.0	93.0	95.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	46.5	84.3	86.3	89.0	90.0	93.0	95.3	96.3	96.3	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 300	46.5	84.6	86.6	89.3	90.6	93.7	96.3	97.3	97.3	98.0	98.3	98.7	98.7	98.7	98.7	98.7
IV 200	46.5	84.6	86.6	89.3	90.6	93.7	96.3	97.3	97.3	98.3	99.0	99.3	99.3	99.3	99.7	99.7
IV 100	46.5	84.6	86.6	89.3	90.6	93.7	96.3	97.3	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0
IV 0	46.5	84.6	86.6	89.3	90.6	93.7	96.3	97.3	97.3	98.3	99.3	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

209

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1477
STATION

LAKEHURST, NJ

STATION NAME

73-82

YEARS

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	32.7	54.3	55.7	55.0	55.0	55.3	55.3	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 20000	35.7	59.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	35.7	59.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	35.7	59.7	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	36.7	60.0	61.0	61.0	61.0	61.3	61.3	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 12000	36.7	61.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 10000	38.3	65.0	66.3	66.3	66.3	66.7	66.7	66.7	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	39.0	65.7	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	41.7	70.3	71.7	72.0	72.0	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	42.7	72.3	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	42.3	72.7	74.7	74.3	74.3	74.7	74.7	74.7	74.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 5000	43.3	74.7	76.3	77.3	77.3	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	44.3	77.0	79.0	80.0	80.0	80.3	80.3	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	46.0	80.0	82.3	83.3	83.7	84.0	84.0	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	46.0	80.7	83.3	84.3	84.7	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	46.7	82.0	84.7	85.7	86.0	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	46.7	82.0	84.7	86.0	86.7	87.0	87.0	87.0	87.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	46.7	83.0	85.7	87.3	88.0	88.7	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	46.7	83.3	86.3	88.0	88.7	89.3	89.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	47.0	84.0	87.0	88.7	89.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	47.0	84.7	87.7	89.3	90.0	91.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	47.3	85.0	88.0	89.7	90.7	91.7	92.0	92.0	92.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	47.3	85.0	88.0	90.0	91.0	92.0	92.3	92.3	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	47.3	85.3	88.3	90.3	91.3	92.3	92.7	92.7	92.7	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 700	47.3	85.3	88.3	90.3	91.3	92.3	93.0	93.0	93.0	93.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	47.3	85.7	88.7	91.0	92.0	93.3	94.0	94.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	47.3	86.0	89.0	91.3	92.3	93.7	94.7	95.0	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	47.3	86.0	89.0	91.7	93.0	94.3	95.3	95.7	95.7	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	47.3	86.0	89.0	91.7	93.0	94.7	96.3	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	47.3	86.0	89.0	91.7	93.3	95.0	96.7	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	47.3	86.0	89.0	91.7	93.3	95.0	96.7	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	47.3	86.0	89.0	91.7	93.3	95.0	96.7	97.0	97.0	98.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 300

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147

LAKEHURST, NJ

STATION NAME

73-82

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.6	49.3	42.8	50.0	50.3	50.4	50.4	50.5	50.7	51.5	52.5	50.5	50.6	50.6	50.6	50.6
≥ 20000	35.6	55.5	56.1	56.3	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
≥ 18000	35.6	55.6	56.2	56.4	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
≥ 16000	35.6	55.6	56.2	56.4	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
≥ 14000	35.6	55.9	56.5	56.7	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4
≥ 12000	36.7	57.3	57.8	58.0	58.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8
≥ 10000	38.8	60.5	61.3	61.5	61.9	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000	39.1	61.1	61.7	62.0	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7
≥ 8000	41.2	65.2	65.9	66.3	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	41.3	66.9	67.8	68.2	68.6	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	42.1	67.4	68.4	68.8	69.2	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	43.3	69.7	70.7	71.2	71.7	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1
≥ 4500	44.8	72.5	73.7	74.2	74.7	74.9	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4000	47.5	77.5	78.7	79.5	80.0	80.5	80.6	80.7	80.7	80.8	80.9	80.8	80.8	80.8	80.8	80.8
≥ 3500	48.4	78.9	80.4	81.2	81.8	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7
≥ 3000	49.7	81.5	83.1	83.9	84.6	85.2	85.4	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.7
≥ 2500	50.1	82.3	83.9	84.8	85.7	86.4	86.6	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9
≥ 2000	50.2	83.0	84.6	85.6	86.6	87.3	87.6	87.7	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9
≥ 1800	50.2	83.2	84.8	85.9	86.9	87.6	87.9	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2
≥ 1500	50.4	83.7	85.4	86.6	87.7	88.6	88.9	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3
≥ 1200	50.4	84.2	86.0	87.2	88.4	89.3	89.7	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1
≥ 1000	50.5	84.8	86.7	87.9	89.3	90.3	90.9	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4
≥ 900	50.7	84.9	86.9	88.3	89.6	90.7	91.3	91.5	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8
≥ 800	50.7	85.2	87.3	88.9	90.5	91.7	92.5	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	50.7	85.3	87.5	89.1	90.9	92.2	93.3	93.8	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	50.7	85.3	87.6	89.3	91.1	92.5	93.8	94.5	94.5	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 500	50.7	85.4	87.7	89.5	91.5	93.1	94.8	95.9	96.0	96.3	96.4	96.4	96.5	96.5	96.5	96.5
≥ 400	50.7	85.5	87.8	89.6	91.7	93.5	95.3	96.5	96.5	97.0	97.1	97.1	97.2	97.2	97.2	97.2
≥ 300	50.7	85.5	87.9	89.7	91.9	93.7	96.0	97.4	97.5	98.0	98.3	98.3	98.5	98.5	98.5	98.5
≥ 200	50.7	85.5	87.9	89.7	92.0	93.8	96.0	97.5	97.7	98.4	98.9	98.9	99.3	99.3	99.3	99.3
≥ 100	50.7	85.5	87.9	89.7	92.0	93.8	96.0	97.5	97.7	98.4	98.9	98.9	99.3	99.3	99.3	99.3
≥ 0	50.7	85.5	87.9	89.7	92.0	93.8	96.0	97.5	97.7	98.4	98.9	98.9	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1978

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

14700
STATIONLAKEHURST, NJ
STATION NAME73-75
YEARSMAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)21
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.3	37.6	38.7	40.9	41.9	43.0	43.0	43.0	44.1	44.1	44.1	44.2	45.2	45.2	45.2	45.2
≥ 20000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
18000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
16000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
14000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
12000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
10000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
9000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
8000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
7000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
6000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
5000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
4500	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
4000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
3500	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
3000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
2500	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
2000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
1800	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
1600	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
1400	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
1200	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
1000	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
900	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
800	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
700	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
600	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
500	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
400	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
300	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
200	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
100	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4
0	22.4	36.6	40.9	41.9	44.1	45.2	46.2	46.2	46.2	47.3	47.3	47.3	48.4	48.4	48.4	48.4

TOTAL NUMBER OF OBSERVATIONS 93

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAKELAND, NJ

17-75

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)124
HOURS (L.S.Y.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.0	12.0	33.3	34.4	37.6	30.7	38.7	38.7	38.7	40.9	41.0	41.0	41.0	41.0	41.0	43.0
≥ 20000	14.1	36.6	33.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4	48.4	48.4	49.5
IV 18000	15.0	36.6	34.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4	48.4	48.4	49.5
IV 16000	16.1	36.6	38.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4	48.4	48.4	49.5
IV 14000	16.1	36.6	39.7	39.8	44.1	45.2	45.2	45.2	45.2	47.3	48.4	48.4	48.4	48.4	48.4	49.5
IV 12000	17.2	39.7	47.9	41.9	46.2	47.3	47.3	47.3	47.3	49.5	50.5	50.5	50.5	50.5	50.5	51.6
IV 10000	18.3	39.8	41.9	43.0	47.3	48.4	48.4	48.4	48.4	50.5	51.6	51.6	51.6	51.6	51.6	52.7
IV 9000	19.4	40.9	43.0	44.1	48.4	49.5	49.5	49.5	49.5	51.6	52.7	52.7	52.7	52.7	52.7	53.8
IV 8000	20.5	44.1	46.2	47.3	52.7	53.8	53.8	53.8	53.8	55.9	57.0	57.0	57.0	57.0	57.0	58.1
IV 7000	22.6	47.3	49.5	50.5	55.9	57.0	57.0	57.0	57.0	59.1	60.2	60.2	60.2	60.2	60.2	61.3
IV 6000	24.7	49.5	51.6	52.7	58.1	59.1	59.1	59.1	59.1	61.3	62.4	62.4	62.4	62.4	62.4	63.4
IV 5000	24.7	51.6	53.8	54.8	60.2	61.3	62.4	62.4	62.4	64.5	65.6	65.6	65.6	65.6	65.6	66.7
IV 4500	24.7	54.8	57.0	58.1	63.4	64.5	65.6	65.6	65.6	67.7	68.8	68.8	68.8	68.8	68.8	69.9
IV 4000	24.7	55.9	58.1	59.1	64.5	65.6	66.7	66.7	66.7	68.8	69.9	69.9	69.9	69.9	69.9	71.0
IV 3500	24.7	58.1	60.2	61.3	66.7	67.7	68.8	68.8	68.8	71.0	72.0	72.0	72.0	72.0	72.0	73.1
IV 3000	24.7	58.1	60.2	61.3	66.7	67.7	68.8	68.8	68.8	71.0	72.0	72.0	72.0	72.0	72.0	73.1
IV 2500	24.7	59.1	61.3	62.4	67.7	68.8	69.9	69.9	69.9	72.0	73.1	73.1	73.1	73.1	73.1	74.2
IV 2000	24.7	60.2	62.4	63.4	69.9	71.0	72.0	72.0	72.0	74.2	75.3	75.3	75.3	75.3	75.3	76.3
IV 1800	24.7	60.2	62.4	63.4	69.9	71.0	72.0	72.0	72.0	74.2	75.3	75.3	75.3	75.3	75.3	76.3
IV 1500	24.7	61.3	63.4	64.5	71.0	72.0	73.1	73.1	73.1	75.3	76.3	76.3	76.3	76.3	76.3	77.4
IV 1200	24.7	61.3	63.4	64.5	71.0	72.0	73.1	73.1	73.1	75.3	76.3	76.3	76.3	76.3	76.3	77.4
IV 1000	24.7	62.4	64.5	65.6	72.0	73.1	74.2	74.2	74.2	76.3	77.4	77.4	77.4	77.4	77.4	78.5
IV 900	24.7	62.4	64.5	65.6	72.0	73.1	75.3	75.3	75.3	77.4	78.5	78.5	78.5	78.5	78.5	79.6
IV 800	24.7	63.4	65.6	66.7	73.1	74.2	76.3	76.3	76.3	78.5	79.6	79.6	79.6	79.6	79.6	80.7
IV 700	25.8	64.5	66.7	67.7	74.2	75.3	77.4	77.4	77.4	79.6	80.7	80.7	80.7	80.7	80.7	81.8
IV 600	25.8	64.5	67.7	68.8	75.3	77.4	79.6	79.6	79.6	81.8	82.8	82.8	82.8	82.8	82.8	83.9
IV 500	25.8	64.5	68.8	69.9	77.4	80.7	82.8	83.9	83.9	86.0	87.1	87.1	87.1	87.1	87.1	88.2
IV 400	25.8	64.5	68.8	69.9	77.4	80.7	82.8	83.9	83.9	86.0	87.1	87.1	87.1	87.1	87.1	88.2
IV 300	25.8	64.5	68.8	69.9	77.4	80.7	82.8	83.9	83.9	86.0	87.1	87.1	87.1	87.1	87.1	88.2
IV 200	25.8	64.5	68.8	69.9	77.4	80.7	82.8	83.9	83.9	86.0	87.1	87.1	87.1	87.1	87.1	88.2
IV 100	25.8	64.5	68.8	69.9	77.4	80.7	82.8	83.9	83.9	86.0	87.1	87.1	87.1	87.1	87.1	88.2
IV 0	25.8	64.5	68.8	69.9	77.4	80.7	82.8	83.9	83.9	86.0	87.1	87.1	87.1	87.1	87.1	88.2

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

107
STATION

LAKEHURST, NJ

STATION NAME

73-71

YEARS

MAY

MONTH

07

HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.7	33.9	35.5	34.7	40.3	40.7	41.3	41.9	41.9	41.9	41.9	41.9	41.9	42.3	43.5	43.4
≥ 20000	13.9	38.4	41.0	43.9	46.1	46.5	47.1	47.7	48.1	48.1	48.1	48.1	48.1	48.4	48.7	48.7
≥ 18000	13.9	38.4	41.0	43.9	46.1	46.5	47.1	47.7	48.1	48.1	48.1	48.1	48.1	48.4	48.7	48.7
≥ 16000	13.9	38.4	41.0	43.9	46.1	46.5	47.1	47.7	48.1	48.1	48.1	48.1	48.1	48.4	48.7	48.7
≥ 14000	13.9	38.4	41.0	43.9	46.1	46.5	47.1	47.7	48.1	48.1	48.1	48.1	48.1	48.4	48.7	48.7
≥ 12000	14.2	35.7	41.3	44.2	46.5	46.8	47.4	48.1	48.4	48.4	48.4	48.4	48.4	48.7	49.7	49.7
≥ 10000	15.8	42.3	45.5	46.7	51.6	52.3	52.9	53.6	53.9	53.9	53.9	53.9	53.9	54.2	54.5	54.7
≥ 9000	11.5	42.5	45.8	49.7	51.7	52.6	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.5	54.8	54.7
≥ 8000	17.4	46.1	49.7	53.6	56.5	57.7	58.4	59.3	59.4	59.4	59.4	59.4	59.4	59.7	61.7	60.0
≥ 7000	18.2	47.7	51.3	55.2	58.4	59.7	60.3	61.3	61.3	61.3	61.3	61.3	61.3	61.6	61.9	61.9
≥ 6000	15.4	48.7	52.3	55.1	59.4	60.7	61.3	61.9	62.3	62.3	62.3	62.3	62.3	62.6	62.9	62.9
≥ 5000	19.7	50.0	53.6	57.4	61.7	62.3	63.2	63.9	64.2	64.2	64.2	64.2	64.2	64.5	64.8	64.6
≥ 4500	19.7	51.3	55.5	59.7	63.2	64.8	66.1	67.4	67.7	67.7	67.7	67.7	67.7	68.1	68.4	69.4
≥ 4000	20.7	52.9	57.1	61.3	65.2	67.1	68.4	69.7	70.7	70.7	70.7	70.7	70.7	70.3	70.7	70.7
≥ 3500	20.7	53.2	57.4	61.6	65.5	67.4	68.7	70.0	70.3	70.3	70.3	70.3	70.3	70.7	71.0	71.7
≥ 3000	1.7	53.6	57.7	61.9	66.1	68.1	69.7	71.7	71.3	71.3	71.3	71.3	71.3	71.6	71.9	71.9
≥ 2500	21.0	53.9	58.4	62.6	67.1	69.3	70.7	71.9	72.4	72.3	72.3	72.3	72.3	72.6	72.9	72.9
≥ 2000	21.3	54.1	59.7	63.9	68.4	70.3	71.9	73.2	73.6	73.6	73.6	73.6	73.6	73.9	74.2	74.2
≥ 1800	21.3	54.1	59.7	63.9	68.7	70.7	72.3	73.6	73.9	73.9	73.9	73.9	73.9	74.2	74.5	74.5
≥ 1500	21.3	54.7	59.7	64.2	69.7	71.0	72.9	74.3	74.5	74.5	74.5	74.5	74.5	74.8	75.2	75.2
≥ 1200	21.3	55.5	61.7	65.2	70.0	71.9	73.9	75.5	75.8	75.8	75.8	75.8	75.8	76.1	76.5	76.0
≥ 1000	21.3	56.1	61.3	65.3	71.0	72.9	74.8	76.8	77.1	77.1	77.1	77.1	77.1	77.4	77.7	77.7
≥ 900	21.3	56.5	61.6	66.1	71.3	73.2	75.2	77.1	77.6	77.4	77.4	77.4	77.4	77.7	78.1	78.1
≥ 800	21.3	56.3	62.3	66.8	71.9	73.9	75.8	77.7	79.1	79.1	79.1	79.1	79.1	79.4	79.7	79.7
≥ 700	21.3	56.7	62.3	66.8	71.9	74.5	77.1	79.5	79.4	79.4	79.4	79.4	79.4	79.7	80.0	80.0
≥ 600	21.3	57.1	62.6	67.4	72.9	75.8	79.4	81.9	82.3	82.3	82.3	82.3	82.3	82.6	82.9	82.9
≥ 500	21.3	57.1	62.6	67.4	73.6	77.4	81.6	84.8	85.2	85.2	85.2	85.2	85.2	85.5	85.8	85.8
≥ 400	21.3	57.4	62.9	67.7	73.9	78.4	82.2	86.8	87.1	87.1	87.1	87.1	87.1	87.4	87.7	88.1
≥ 300	21.3	57.4	62.9	67.7	74.2	78.7	83.6	88.1	88.7	88.7	88.7	88.7	88.7	89.0	89.3	89.3
≥ 200	21.3	57.4	62.9	67.7	74.2	78.7	84.2	88.7	89.7	90.0	91.9	92.3	93.9	94.5	95.5	96.1
≥ 100	21.3	57.4	62.9	67.7	74.2	78.7	84.2	88.7	89.7	90.0	91.9	92.6	94.2	94.8	97.1	99.7
≥ 0	21.3	57.4	62.9	67.7	74.2	78.7	84.2	88.7	89.7	90.0	91.9	92.6	94.2	94.8	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS

317

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAKEHURST, NJ

13-82

V 4 V

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.7	45.7	42.7	42.9	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	47.4	49.7	51.3	51.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
IV 18000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 16000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 14000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 12000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 10000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 9000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 8000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 7000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 6000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 5000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 4500	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 4000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 3500	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 3000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 2500	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 2000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 1800	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 1500	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 1200	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 1000	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 900	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 800	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 700	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 600	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 500	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 400	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 300	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 200	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 100	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6
IV 0	47.4	50.0	51.6	52.3	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 73-10 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	35.5	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 18000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 16000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 14000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 12000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 10000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 9000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 8000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 7000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 6000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 5000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 4500	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 4000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 3500	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 3000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 2500	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 2000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1800	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1500	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1200	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 1000	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 900	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 800	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 700	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 600	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 500	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 400	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 300	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 200	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 100	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 0	42.7	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2

TOTAL NUMBER OF OBSERVATIONS 110

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

107

LAUREL, NC

1950

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 0
NO CEILING	72.7	41.7	41.9	43.2	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	77.1	50.0	51.7	52.9	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	77.1	50.0	51.6	53.2	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 16000	77.1	50.0	51.6	53.2	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000	77.1	51.1	52.3	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	77.1	51.1	52.6	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	77.1	52.2	54.5	56.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	77.4	53.1	55.2	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	81.3	58.4	61.7	62.3	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000	81.3	58.4	61.7	62.9	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	81.3	59.7	61.6	63.6	63.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	81.3	62.3	64.2	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	82.1	65.5	67.7	69.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	84.7	71.7	74.2	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	85.4	75.4	79.5	81.7	81.8	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	87.4	78.4	81.6	83.6	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	88.7	81.6	84.5	86.5	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	89.7	82.3	86.1	88.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	89.7	82.3	86.1	88.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1500	89.7	82.3	86.1	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	89.7	82.3	87.1	89.5	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	89.7	83.9	87.7	89.7	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	89.7	84.5	88.4	91.3	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	89.7	84.5	89.0	91.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 700	89.7	84.5	89.7	91.6	92.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 600	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0	89.7	84.5	89.7	91.6	93.2	94.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

17

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7
STATIONLAUREL, NC
STATION NAME

73-40

YEARS

2-24
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1-1
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.4	41.4	41.4	42.3	43.7	43.3	43.3	43.7	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 20000	47.8	47.1	44.4	44.4	49.4	51.3	50.0	50.0	50.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000	47.8	47.7	49.7	49.7	51.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	47.8	47.7	49.7	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000	47.8	47.7	49.7	49.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000	49.4	49.7	51.7	51.7	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 10000	53.2	53.2	54.5	54.5	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 9000	53.2	53.2	54.5	54.5	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 7000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 6000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4500	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 4000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3500	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 3000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2500	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 2000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1800	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1500	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1200	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 1000	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 900	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 800	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 700	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 600	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 500	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 400	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 300	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 200	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 100	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 0	54.5	54.5	56.1	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

007

LAUREL, NJ

73-72

44

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.2	44.4	45.4	46.1	45.3	46.8	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.1
≥ 20000	25.5	49.4	50.7	51.6	52.3	52.3	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9
IV 18000	21.5	49.7	51.0	51.9	52.6	52.6	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.2
IV 16000	21.5	49.7	51.0	51.9	52.6	52.6	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.2
IV 14000	26.7	50.3	51.3	52.3	52.9	52.9	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5
IV 12000	26.5	50.7	51.3	52.9	53.6	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.2
IV 10000	27.7	53.6	54.4	56.5	57.1	57.1	57.7	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7
IV 9000	21.7	53.9	55.1	57.1	57.7	57.7	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.4
IV 8000	20.3	57.4	59.3	61.3	61.9	61.9	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.9
IV 7000	32.7	58.1	60.3	61.9	62.9	62.9	63.6	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.8
IV 6000	20.7	58.1	60.3	61.9	62.9	62.9	63.6	64.2	64.2	64.2	64.2	64.5	64.5	64.5	64.5	64.8
IV 5000	21.3	59.1	61.3	62.9	64.2	64.2	65.2	65.8	65.8	65.8	65.8	66.1	66.1	66.1	66.1	66.5
IV 4500	21.7	60.7	62.9	64.2	66.1	66.1	67.1	67.7	67.7	67.7	67.7	68.1	68.1	68.1	68.1	68.4
IV 4000	23.7	63.9	66.3	68.7	71.1	71.1	71.6	72.3	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.9
IV 3500	23.0	65.2	68.7	71.3	73.6	73.6	74.5	75.2	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.8
IV 3000	23.7	67.4	71.3	74.8	77.7	78.1	78.7	79.4	79.4	79.4	79.4	79.7	79.7	79.7	79.7	80.0
IV 2500	23.7	68.1	71.9	75.5	79.1	79.4	80.0	80.7	80.7	80.7	80.7	81.0	81.0	81.0	81.0	81.3
IV 2000	23.9	68.1	72.3	75.8	79.4	79.7	80.3	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.6
IV 1800	23.7	68.1	72.3	75.8	79.4	79.7	80.3	81.0	81.0	81.0	81.0	81.3	81.3	81.3	81.3	81.6
IV 1500	24.2	69.1	73.3	77.1	82.7	81.0	81.9	82.6	82.6	82.6	82.6	82.9	82.9	82.9	82.9	83.2
IV 1200	24.2	69.1	73.3	77.4	81.0	81.3	82.3	83.2	83.2	83.2	83.2	83.6	83.6	83.6	83.6	83.9
IV 1000	24.2	69.7	74.5	78.7	82.6	82.9	83.9	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.5
IV 900	24.2	69.7	74.5	78.7	83.2	83.6	84.5	85.5	85.5	85.5	85.5	85.8	85.8	85.8	85.8	86.1
IV 800	24.2	69.7	74.5	79.0	83.6	84.2	85.2	86.1	86.1	86.1	86.1	86.5	86.5	86.5	86.5	86.8
IV 700	24.2	71.1	75.2	79.7	84.5	85.5	86.5	87.7	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.4
IV 600	24.2	70.0	75.3	80.3	85.2	86.1	87.1	88.7	88.7	88.7	88.7	89.0	89.0	89.0	89.0	89.4
IV 500	24.2	70.7	76.5	81.6	86.5	87.4	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.7
IV 400	24.2	71.0	76.8	81.9	87.7	88.7	90.0	91.9	92.3	92.6	92.9	92.9	92.9	92.9	92.9	93.2
IV 300	24.2	71.1	76.8	82.3	88.1	89.4	90.7	93.2	93.6	93.9	94.2	94.2	94.2	94.2	94.2	94.5
IV 200	24.2	71.1	76.8	82.3	88.1	89.4	91.0	94.2	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.8
IV 100	24.2	71.0	76.8	82.3	88.1	89.4	91.0	94.2	94.5	95.2	96.1	96.1	96.1	96.1	96.1	96.5
IV 0	24.2	71.0	76.8	82.3	88.1	89.4	91.0	94.2	94.5	95.2	96.1	96.1	96.1	96.1	96.1	96.5

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1071 LANE, ASHEVILLE, NC

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	21.0	33.0	40.2	41.1	42.0	42.2	42.5	42.5	42.5	42.3	42.8	42.2	42.9	42.9	43.0
≥ 20000	24.4	45.4	47.0	48.2	49.2	49.5	49.7	49.9	50.0	50.1	50.2	50.2	50.2	50.2	50.3
≥ 18000	24.4	45.6	47.2	48.2	49.4	49.7	50.0	50.2	50.2	50.3	50.4	50.4	50.4	50.5	50.5
≥ 16000	24.4	45.6	47.2	48.2	49.4	49.7	50.0	50.2	50.2	50.3	50.4	50.4	50.4	50.5	50.5
≥ 14000	24.5	45.7	47.5	48.5	49.7	50.0	50.2	50.4	50.5	50.6	50.7	50.7	50.7	50.8	50.8
≥ 12000	24.7	46.5	49.1	49.1	50.3	50.6	50.8	51.0	51.1	51.2	51.3	51.3	51.3	51.4	51.4
≥ 10000	24.8	49.8	51.6	53.0	54.4	54.8	55.0	55.2	55.7	55.4	55.5	55.5	55.5	55.6	55.6
≥ 9000	24.8	50.2	52.0	53.4	54.7	55.2	55.4	55.6	55.7	55.8	55.9	55.9	55.9	56.0	56.0
≥ 8000	24.9	54.3	56.5	58.2	59.6	60.1	60.4	60.6	60.6	60.8	60.9	60.9	60.9	61.0	61.0
≥ 7000	24.9	55.4	57.7	59.5	61.0	61.6	61.8	62.0	62.1	62.2	62.3	62.3	62.4	62.4	62.4
≥ 6000	24.9	55.5	59.1	59.9	61.4	62.1	62.2	62.4	62.5	62.6	62.7	62.7	62.8	62.8	62.8
≥ 5000	24.9	57.5	59.8	61.7	63.3	64.3	64.3	64.5	64.6	64.7	64.8	64.8	64.9	64.9	65.0
≥ 4500	24.9	59.7	62.4	64.2	66.1	66.5	67.2	67.5	67.5	67.6	67.7	67.7	67.8	67.8	67.9
≥ 4000	24.9	63.7	65.9	68.0	70.0	70.9	71.4	71.7	71.7	71.9	72.0	72.0	72.0	72.0	72.1
≥ 3500	24.9	65.5	68.7	71.0	73.0	74.0	74.5	74.8	74.9	75.0	75.1	75.1	75.2	75.2	75.3
≥ 3000	24.9	67.9	71.1	73.7	76.0	77.0	77.6	77.9	78.0	78.1	78.2	78.2	78.3	78.3	78.4
≥ 2500	24.9	69.4	72.8	75.4	78.0	79.1	79.8	80.1	80.2	80.3	80.4	80.4	80.5	80.5	80.6
≥ 2000	24.9	70.6	74.2	76.8	79.6	80.7	81.4	81.8	81.8	82.0	82.1	82.1	82.1	82.2	82.2
≥ 1800	24.9	71.7	74.3	76.9	79.7	80.8	81.5	81.9	81.9	82.1	82.2	82.2	82.3	82.3	82.3
≥ 1500	24.9	71.4	75.3	78.3	81.2	82.5	83.3	83.7	83.8	84.0	84.1	84.1	84.2	84.2	84.3
≥ 1200	24.9	72.1	76.1	79.0	82.1	83.4	84.3	84.8	84.8	85.0	85.1	85.1	85.2	85.2	85.3
≥ 1000	24.9	72.6	76.9	80.0	83.2	84.6	85.6	86.2	86.2	86.5	86.6	86.6	86.6	86.7	86.9
≥ 900	24.9	73.1	77.3	80.5	83.8	85.2	86.4	87.0	87.0	87.2	87.3	87.3	87.4	87.4	87.5
≥ 800	24.9	73.3	77.9	81.1	84.5	85.9	87.2	87.6	87.9	88.1	88.2	88.2	88.3	88.3	88.4
≥ 700	24.9	73.5	78.3	81.5	85.0	86.7	88.3	89.0	89.1	89.4	89.4	89.4	89.5	89.5	89.6
≥ 600	24.9	73.7	78.7	82.1	85.8	87.6	89.5	90.5	90.5	90.9	91.0	91.0	91.1	91.1	91.2
≥ 500	24.9	73.9	79.1	82.5	86.4	88.4	90.6	92.0	92.2	92.6	92.8	92.8	92.9	92.9	93.0
≥ 400	24.9	74.0	79.1	82.7	86.9	89.1	91.5	93.2	93.4	94.1	94.5	94.5	94.6	94.7	94.7
≥ 300	24.9	74.0	79.1	82.7	87.0	89.3	91.8	94.0	94.4	95.2	95.8	95.9	96.2	96.3	96.3
≥ 200	24.9	74.0	79.1	82.7	87.0	89.3	92.0	94.4	94.8	95.7	96.7	96.8	97.5	97.7	98.0
≥ 100	24.9	74.0	79.1	82.7	87.0	89.3	92.0	94.4	94.8	95.9	96.8	97.0	97.8	97.9	98.7
≥ 0	24.9	74.0	79.1	82.7	87.0	89.3	92.0	94.4	94.8	95.9	96.8	97.0	97.8	97.9	98.7

TOTAL NUMBER OF OBSERVATIONS

2040

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAUREL, NC

73-75

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

90

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAKE LEST, NJ

73-75

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	7.8	22.3	24.4	24.9	31.1	33.3	37.8	41.1	41.1	42.2	43.3	43.3	43.3	43.3	44.4	44.4
≥ 20000	6.9	23.3	24.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6	45.6	45.6	47.8	47.8
≥ 18000	6.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6	45.6	45.6	47.8	47.8
≥ 16000	6.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6	45.6	45.6	47.8	47.8
≥ 14000	6.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6	45.6	45.6	47.8	47.8
≥ 12000	6.9	23.3	26.7	31.1	33.3	35.6	40.0	43.3	43.3	44.4	45.6	45.6	45.6	45.6	47.8	47.8
≥ 10000	6.9	23.3	27.0	32.2	34.4	36.7	41.1	44.4	44.4	46.7	47.8	47.8	47.8	47.8	50.0	50.0
≥ 9000	6.9	23.3	27.8	32.2	34.4	36.7	41.1	44.4	44.4	46.7	47.8	47.8	47.8	47.8	50.0	50.0
≥ 8000	6.9	26.7	31.1	35.6	38.9	41.1	45.6	48.9	48.9	51.1	52.2	52.2	53.3	53.3	55.6	55.6
≥ 7000	10.0	27.8	32.2	36.7	40.0	42.2	46.7	50.0	50.0	52.2	53.3	53.3	54.4	54.4	56.7	56.7
≥ 6000	10.0	27.8	32.2	36.7	40.0	42.2	46.7	50.0	50.0	52.2	53.3	53.3	54.4	54.4	56.7	56.7
≥ 5000	10.0	27.8	34.4	38.9	42.2	44.4	48.9	52.2	52.2	54.4	55.6	55.6	56.7	56.7	58.9	58.9
≥ 4500	11.1	28.9	35.7	41.1	44.4	46.7	51.1	54.4	54.4	56.7	57.8	57.8	58.9	58.9	61.1	61.1
≥ 4000	11.1	28.9	35.7	42.2	45.6	47.8	52.2	55.6	55.6	57.8	58.9	58.9	60.0	60.0	62.2	62.2
≥ 3500	11.1	28.9	35.7	42.2	45.6	47.8	52.2	55.6	55.6	57.8	58.9	58.9	60.0	60.0	62.2	62.2
≥ 3000	11.1	28.9	36.7	42.2	46.7	48.9	54.4	57.8	57.8	60.0	61.1	61.1	62.2	62.2	64.4	64.4
≥ 2500	11.1	30.0	37.8	43.3	47.8	50.0	55.6	58.9	58.9	61.1	62.2	62.2	63.3	63.3	65.6	65.6
≥ 2000	11.1	30.0	37.8	43.3	48.9	51.1	56.7	60.0	60.0	62.2	63.3	63.3	64.4	64.4	66.7	66.7
≥ 1800	11.1	30.0	37.8	43.3	48.9	51.1	56.7	60.0	60.0	62.2	63.3	63.3	64.4	64.4	66.7	66.7
≥ 1500	10.0	32.2	40.0	45.6	51.1	53.3	60.0	63.3	63.3	65.6	66.7	66.7	67.8	67.8	70.0	70.0
≥ 1200	12.2	33.3	41.1	46.7	52.2	54.4	61.1	64.4	64.4	66.7	67.8	67.8	68.9	68.9	71.1	71.1
≥ 1000	13.3	34.4	43.3	48.9	54.4	56.7	63.3	66.7	66.7	68.9	70.0	70.0	71.1	71.1	73.3	73.3
≥ 900	13.3	34.4	43.3	48.9	54.4	56.7	63.3	66.7	66.7	68.9	70.0	70.0	71.1	71.1	73.3	73.3
≥ 800	13.3	34.4	43.3	48.9	54.4	56.7	63.3	66.7	66.7	68.9	70.0	70.0	71.1	71.1	73.3	73.3
≥ 700	13.3	35.6	44.4	50.0	56.7	58.9	65.6	68.9	68.9	71.1	72.2	72.2	73.3	73.3	75.6	75.6
≥ 600	13.3	35.6	44.4	50.0	56.7	58.9	67.8	71.1	71.1	73.3	74.4	74.4	75.6	75.6	77.8	77.8
≥ 500	13.3	35.6	44.4	50.0	57.8	61.1	72.2	76.7	76.7	78.9	80.0	80.0	81.1	81.1	83.3	83.3
≥ 400	13.3	36.7	45.6	51.1	60.0	65.6	76.7	81.1	81.1	83.3	84.4	84.4	85.6	85.6	87.8	87.8
≥ 300	13.3	36.7	45.6	52.2	61.1	66.7	80.0	84.4	84.4	86.7	88.9	88.9	90.0	90.0	92.2	92.2
≥ 200	13.3	36.7	45.6	52.2	61.1	66.7	80.0	84.4	84.4	86.7	88.9	88.9	92.2	92.2	94.4	94.4
≥ 100	13.3	36.7	45.6	52.2	61.1	66.7	80.0	85.6	85.6	88.9	91.1	91.1	94.4	94.4	96.7	96.7
≥ 0	13.3	36.7	45.6	52.2	61.1	66.7	80.0	85.6	85.6	88.9	91.1	91.1	94.4	94.4	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 50

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 107 LAST FIRST, NO STATION NAME 11-32 YEARS JUN MONTH 27 HOURS (L & Y)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.3	33.3	37.3	39.0	42.7	44.7	45.7	46.3	46.3	47.0	47.0	47.0	47.0	47.0	47.0	47.3
IV 20000	12.3	34.7	39.7	42.7	48.0	50.0	51.0	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.7
IV 18000	12.3	34.7	39.7	42.7	48.0	50.0	51.0	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.7
IV 16000	12.3	34.7	39.7	42.7	48.0	50.0	51.0	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.7
IV 14000	12.3	34.7	39.7	42.7	48.0	50.0	51.0	51.7	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.7
IV 12000	12.3	35.3	41.3	43.3	49.0	51.3	52.3	53.0	53.0	53.7	53.7	53.7	53.7	53.7	53.7	54.0
IV 10000	13.3	38.7	45.0	48.0	53.7	56.0	57.3	58.0	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.3
IV 9000	13.3	38.7	45.0	48.0	53.7	56.0	57.3	58.0	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.3
IV 8000	13.3	40.3	45.3	50.3	56.3	59.3	60.7	61.7	61.7	62.7	63.0	63.0	63.0	63.0	63.0	63.3
IV 7000	13.3	40.7	47.0	51.0	57.0	60.0	61.3	62.3	62.3	63.3	63.7	63.7	63.7	63.7	63.7	64.0
IV 6000	13.3	41.0	47.3	51.7	57.7	60.7	62.0	63.0	63.0	64.0	64.3	64.3	64.3	64.3	64.3	64.7
IV 5000	13.3	42.0	47.7	53.0	59.3	62.3	64.0	65.0	65.0	66.0	66.3	66.3	66.3	66.3	66.3	66.7
IV 4500	13.3	43.7	51.0	55.3	62.0	65.0	66.7	67.7	67.7	68.7	69.0	69.0	69.0	69.0	69.0	69.3
IV 4000	14.7	46.3	54.3	59.7	65.3	68.7	70.3	71.3	71.3	72.3	72.7	72.7	72.7	72.7	72.7	73.0
IV 3500	14.3	47.0	55.3	59.7	66.3	69.7	71.3	72.3	72.3	73.3	73.7	73.7	73.7	73.7	73.7	74.0
IV 3000	14.3	47.3	55.7	60.0	67.0	70.3	72.3	74.0	74.0	75.0	75.3	75.3	75.3	75.3	75.3	75.7
IV 2500	14.3	47.7	56.0	60.3	67.3	70.7	73.0	74.7	74.7	75.7	76.0	76.0	76.0	76.0	76.0	76.3
IV 2000	14.3	47.7	56.3	60.7	67.7	71.0	73.3	75.0	75.0	76.0	76.3	76.3	76.3	76.3	76.3	76.7
IV 1800	14.3	48.0	56.7	61.0	68.3	71.7	74.0	76.0	76.0	77.0	77.3	77.3	77.3	77.3	77.3	77.7
IV 1500	14.3	48.7	57.3	62.0	70.0	73.3	75.7	77.7	77.7	78.7	79.0	79.0	79.0	79.0	79.0	79.3
IV 1200	14.3	49.3	57.3	63.3	71.3	74.7	77.0	79.0	79.0	80.0	80.3	80.3	80.3	80.3	80.3	80.7
IV 1000	14.3	49.7	58.7	63.7	71.7	75.3	78.0	80.0	80.0	81.0	81.3	81.3	81.3	81.3	81.3	81.7
IV 900	14.3	49.7	59.7	63.7	72.0	75.7	78.3	80.3	80.3	81.3	81.7	81.7	81.7	81.7	81.7	82.0
IV 800	14.3	51.0	60.0	65.0	73.7	77.7	80.3	82.7	82.7	83.7	84.0	84.0	84.0	84.0	84.0	84.3
IV 700	14.7	52.0	61.0	66.0	74.7	79.0	82.0	84.3	84.3	85.3	85.7	85.7	85.7	85.7	85.7	86.0
IV 600	14.7	52.3	61.3	66.3	75.0	79.7	83.0	85.7	86.0	87.0	87.3	87.3	87.3	87.3	87.3	87.7
IV 500	14.7	53.0	62.0	67.0	76.0	81.3	85.0	87.7	88.0	89.3	89.7	89.7	89.7	89.7	89.7	90.0
IV 400	14.7	53.3	62.0	67.0	76.3	83.0	87.0	90.3	90.7	92.0	92.3	92.3	92.3	92.3	92.3	93.0
IV 300	14.7	53.3	62.0	67.0	76.3	83.3	87.7	91.3	91.7	93.3	93.7	94.0	94.3	94.3	94.3	94.7
IV 200	14.7	53.0	62.0	67.0	76.3	83.3	87.7	92.3	92.7	95.0	95.7	97.0	97.7	98.0	98.3	99.0
IV 100	14.7	53.0	62.0	67.0	76.3	83.3	87.7	92.3	92.7	95.0	96.7	97.0	97.7	98.0	99.0	100.0
IV 0	14.7	53.0	62.0	67.0	76.3	83.3	87.7	92.3	92.7	95.0	96.7	97.0	97.7	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAUREL ST, NC

STATION NAME

73-72

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	25.7	39.3	40.0	43.3	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 18000	17.0	46.0	49.7	51.0	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 14000	17.0	46.0	49.7	51.0	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 14000	17.0	46.0	50.0	51.3	52.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 12000	17.0	46.0	50.0	51.3	52.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 10000	18.7	49.7	53.7	55.0	54.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 9000	19.3	50.3	54.7	56.0	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 8000	19.3	54.7	58.3	59.7	61.3	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000	19.3	55.0	59.7	61.0	62.7	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000	19.3	58.3	60.0	61.3	63.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 5000	19.3	58.3	63.3	64.3	66.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	20.7	59.3	64.0	65.7	67.3	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4000	20.3	61.0	65.7	67.7	70.0	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	20.7	62.3	67.3	69.3	72.0	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 3000	21.3	65.7	70.0	72.0	74.7	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 2500	22.3	67.7	72.7	74.7	77.3	78.7	78.7	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2000	22.3	69.0	74.0	76.3	79.3	80.7	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1800	23.3	69.0	74.3	77.0	80.0	81.3	81.7	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1500	23.7	71.3	77.0	80.0	84.0	85.3	86.0	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	23.7	73.7	79.3	82.3	86.3	87.7	88.7	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1000	23.7	74.3	80.0	83.3	87.3	89.0	90.7	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 900	23.7	74.7	80.3	84.0	88.0	89.7	91.3	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 800	23.7	75.7	81.3	85.3	90.0	92.0	94.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 700	23.7	76.7	82.0	86.7	91.3	93.3	95.3	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	23.7	76.3	82.3	87.0	91.7	94.0	96.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	23.7	76.3	82.3	87.0	91.7	94.0	96.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	23.7	76.3	82.3	87.0	91.7	94.0	97.3	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	23.7	76.3	82.3	87.0	91.7	94.3	97.7	98.7	98.7	99.0	99.3	99.7	100.0	100.0	100.0	100.0
IV 200	23.7	76.3	82.3	87.0	91.7	94.3	97.7	98.7	98.7	99.0	99.3	99.7	100.0	100.0	100.0	100.0
IV 100	23.7	76.3	82.3	87.0	91.7	94.3	97.7	98.7	98.7	99.0	99.3	99.7	100.0	100.0	100.0	100.0
IV 0	23.7	76.3	82.3	87.0	91.7	94.3	97.7	98.7	98.7	99.0	99.3	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 147 STATION NAME LAUREST, NC YEARS 72-82 MONTH JULY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	27.4	34.1	37.1	37.1	38.5	38.5	38.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 20000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 18000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 9000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 8000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 7000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 6000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 5000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 4500	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 4000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 3500	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 3000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 2500	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 2000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1800	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1500	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1200	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 1000	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 900	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 800	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 700	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 600	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 500	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 400	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 300	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 200	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 100	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 0	23.4	41.1	43.5	45.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5

TOTAL NUMBER OF OBSERVATIONS 299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONLEAFJURST, NJ
STATION NAME73-02
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.7	34.7	41.3	41.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	25.3	46.7	47.3	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	25.3	47.3	50.0	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	25.3	47.0	50.0	51.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	25.3	47.3	50.0	52.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	26.7	49.7	52.0	53.7	54.7	54.7	54.7	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	27.0	53.3	56.3	58.3	59.3	59.3	59.3	59.3	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	27.0	53.7	56.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	27.0	56.7	61.0	63.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	27.0	58.3	61.3	63.3	64.3	64.7	64.7	64.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	27.0	58.7	61.7	63.7	64.7	65.0	65.0	65.0	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	27.0	59.0	62.0	64.0	65.0	65.3	65.3	65.3	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4300	31.0	60.3	63.3	65.7	66.7	67.0	67.0	67.0	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	33.0	65.7	68.7	71.3	72.3	73.3	73.7	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	34.0	69.7	73.0	76.0	77.3	78.7	79.3	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	35.0	71.7	76.3	80.3	82.3	84.7	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	35.0	74.0	78.7	82.7	84.7	87.0	87.7	87.7	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	35.0	75.7	80.3	84.7	86.7	89.3	90.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	35.0	75.7	80.3	84.7	86.7	89.3	90.0	90.0	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	35.0	77.0	82.0	86.3	88.7	91.3	92.0	92.0	92.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1200	36.0	78.3	83.3	87.7	90.0	92.7	93.3	93.3	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	36.0	79.0	84.0	88.3	91.0	93.7	94.3	94.3	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	36.0	79.0	84.0	88.3	91.3	94.0	94.7	94.7	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	36.0	79.3	84.3	89.3	92.3	95.0	96.0	96.0	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	36.0	79.7	85.0	90.0	93.3	96.0	97.0	97.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	36.0	79.7	85.0	90.0	93.7	96.3	97.7	97.7	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	36.0	79.7	85.0	90.0	94.0	96.7	98.3	98.3	98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	36.0	79.7	85.0	90.0	94.0	96.7	98.3	98.3	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	36.0	79.7	85.0	90.0	94.0	96.7	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	36.0	79.7	85.0	90.0	94.0	96.7	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	36.0	79.7	85.0	90.0	94.0	96.7	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	36.0	79.7	85.0	90.0	94.0	96.7	98.3	98.7	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7-77
STATIONLAURELHURST, NJ
STATION NAME77-82
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	41.5	43.2	44.8	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	25.0	51.5	55.7	56.9	58.5	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	25.0	51.5	55.9	56.9	58.5	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	25.0	51.5	55.9	56.9	58.5	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 14000	25.0	51.5	56.2	57.2	58.9	60.5	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000	25.0	52.5	56.9	57.9	59.5	61.5	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	27.8	56.2	61.2	62.2	64.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 9000	26.1	56.5	61.5	62.5	64.6	66.6	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 8000	29.8	61.2	67.2	67.2	69.9	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 7000	29.8	61.5	66.9	67.9	72.6	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 6000	29.8	61.9	66.9	68.2	72.9	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	31.1	64.6	69.6	72.9	73.6	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4500	31.1	65.9	71.9	72.2	75.3	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000	33.1	68.2	73.6	74.9	75.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	33.4	70.3	75.9	77.3	80.9	84.0	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3000	33.4	70.6	76.6	77.9	81.6	84.6	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 2500	33.4	70.9	76.9	73.6	82.3	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2000	33.4	72.2	78.3	79.2	83.6	86.6	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1800	33.4	72.2	78.3	79.9	83.6	86.6	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1500	33.4	72.2	78.6	80.3	84.0	87.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	33.4	72.6	78.9	80.6	84.6	87.6	88.6	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	33.4	73.2	79.6	81.6	85.6	88.6	89.6	90.0	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900	33.4	73.6	79.9	81.9	86.3	89.3	90.3	90.6	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	33.4	73.9	80.3	82.3	87.0	90.0	91.3	92.0	92.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0
IV 700	33.4	74.6	80.9	82.9	88.0	91.3	92.6	93.3	93.7	94.0	94.3	94.3	94.3	94.3	94.3	94.3
IV 600	33.4	74.9	81.3	83.3	88.3	91.6	93.0	94.0	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	33.4	74.9	81.6	83.6	89.6	92.0	93.7	95.0	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.3
IV 400	33.4	75.3	81.9	84.0	89.3	92.6	94.7	96.0	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	33.4	75.3	81.9	84.0	89.3	92.6	95.0	96.3	96.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3
IV 200	33.4	75.3	81.9	84.0	89.3	92.6	95.3	97.0	97.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3
IV 100	33.4	75.3	81.9	84.0	89.3	92.6	95.3	97.0	97.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3
IV 0	33.4	75.3	81.9	84.0	89.3	92.6	95.3	97.0	97.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

299

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1971 LAFORST, NJ 17-82 JUN NORTH 22 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.0	44.3	46.7	46.0	50.0	0.3	51.0	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	23.0	44.3	51.0	53.0	55.0	55.3	56.3	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 18000	23.0	44.3	51.0	53.0	55.0	55.3	56.3	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000	23.0	44.3	51.0	53.0	55.0	55.3	56.3	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	23.0	44.3	51.0	53.3	55.3	55.7	56.7	57.0	57.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	23.0	44.3	51.0	53.3	55.3	55.7	56.7	57.0	57.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 10000	24.0	52.0	54.7	57.0	59.7	60.0	61.0	61.7	61.7	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	24.0	52.0	55.0	57.3	60.0	60.3	61.3	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 8000	24.0	55.3	59.7	61.0	64.0	64.7	65.7	66.3	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 7000	24.0	55.7	59.7	61.7	64.7	65.7	66.7	67.3	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 6000	24.0	56.7	59.3	62.0	65.0	66.0	67.3	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 5000	25.0	58.0	61.7	64.7	67.7	69.0	70.3	71.0	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	25.0	58.7	62.0	65.3	68.7	70.0	71.3	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	27.0	63.0	67.3	70.7	74.0	75.3	76.7	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 3500	27.0	64.7	69.0	72.3	76.0	77.7	79.0	79.7	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	27.0	65.3	70.0	73.3	76.0	79.7	81.0	81.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	27.0	66.3	70.7	74.3	80.0	81.7	83.0	84.0	84.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 2000	27.0	66.7	70.0	75.7	81.3	83.0	84.3	85.3	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	27.0	66.7	70.0	75.7	81.3	83.0	84.3	85.3	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1500	27.0	68.0	73.3	77.0	82.7	84.3	85.7	87.0	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1200	27.0	68.3	73.7	77.3	83.3	84.7	86.0	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	27.0	68.3	73.7	77.3	83.3	85.3	87.3	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 900	27.0	68.3	73.7	77.3	83.3	85.3	87.3	88.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 800	27.0	68.7	74.0	77.7	83.7	85.7	88.0	89.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 700	27.0	68.7	74.7	78.7	84.7	87.0	89.3	90.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 600	27.0	69.3	74.7	78.7	85.0	87.3	90.0	91.7	91.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 500	27.0	69.7	75.0	79.3	85.7	88.3	91.0	93.0	93.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	27.0	69.7	75.3	80.0	86.7	89.3	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 300	27.0	69.7	75.3	80.0	86.7	89.3	92.3	95.0	95.0	96.7	97.0	97.0	97.0	97.0	97.0	97.3
IV 200	27.0	69.7	75.3	80.0	86.7	89.7	92.7	95.7	95.7	97.7	98.0	98.0	98.0	98.0	98.3	98.7
IV 100	27.0	69.7	75.3	80.0	86.7	89.7	92.7	95.7	95.7	98.0	98.3	98.3	98.3	98.7	99.3	100.0
IV 0	27.0	69.7	75.3	80.0	86.7	89.7	92.7	95.7	95.7	98.0	98.3	98.3	98.3	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1977 STATION NAME: LANE, FIRST, MO 73-01 YEARS: MONTH: 9LL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.6	37.1	39.0	41.1	43.0	43.7	44.3	44.7	44.7	44.9	45.1	45.0	45.0	45.0	45.1	45.1
≥ 20000	20.2	43.2	46.5	48.4	50.7	51.6	52.2	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.1	53.0
IV 18000	20.1	43.3	46.6	48.5	50.8	51.7	52.3	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.2	53.0
IV 16000	20.1	43.3	46.6	48.5	50.8	51.7	52.3	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.2	53.0
IV 14000	20.1	43.4	46.8	48.7	51.0	51.9	52.5	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.4	53.0
IV 12000	20.4	44.0	47.4	49.3	51.6	52.7	53.3	53.7	53.7	54.2	54.2	54.2	54.2	54.2	54.3	54.4
IV 10000	21.1	47.2	51.0	53.1	55.7	56.7	57.5	58.0	58.0	58.4	58.5	58.5	58.5	58.5	58.6	58.7
IV 9000	22.3	47.5	51.3	53.4	56.0	57.1	57.8	58.3	58.3	58.6	58.8	58.8	58.8	58.8	58.9	59.0
IV 8000	22.3	50.7	54.6	57.0	60.0	61.3	62.0	62.6	62.6	63.1	63.2	63.3	63.3	63.3	63.4	63.4
IV 7000	22.3	51.6	55.6	57.9	60.9	62.3	63.1	63.7	63.7	64.2	64.3	64.3	64.3	64.3	64.4	64.5
IV 6000	22.7	51.1	55.0	58.2	61.2	62.4	63.5	64.1	64.1	64.5	64.6	64.6	64.6	64.7	64.8	64.8
IV 5000	23.3	53.4	57.6	61.1	63.1	64.6	65.5	66.1	66.1	66.5	66.6	66.6	66.6	66.7	66.8	66.8
IV 4500	23.3	54.6	59.1	61.6	64.8	66.3	67.1	67.8	67.8	68.2	68.3	68.3	68.4	68.4	68.5	68.5
IV 4000	24.8	57.9	62.5	65.4	68.8	70.5	71.4	72.0	72.0	72.6	72.7	72.7	72.8	72.8	72.9	72.9
IV 3500	25.7	60.5	65.7	68.6	72.2	74.3	75.0	75.6	75.6	76.1	76.2	76.2	76.3	76.3	76.4	76.4
IV 3000	26.2	62.4	68.1	71.2	75.3	77.3	78.5	79.2	79.2	79.7	79.9	79.9	79.9	79.9	80.0	80.1
IV 2500	26.5	64.2	69.8	73.1	77.4	79.4	80.6	81.4	81.4	82.1	82.2	82.2	82.3	82.3	82.4	82.4
IV 2000	26.5	65.4	71.2	74.7	79.1	81.1	82.5	83.2	83.2	83.9	84.0	84.0	84.1	84.1	84.2	84.2
IV 1800	26.5	65.7	71.5	74.9	79.4	81.4	82.7	83.5	83.5	84.2	84.3	84.3	84.4	84.4	84.5	84.5
IV 1500	26.7	67.2	72.8	76.4	81.2	83.3	84.3	85.7	85.7	86.4	86.6	86.6	86.6	86.6	86.7	86.8
IV 1200	26.7	67.8	73.7	77.4	82.2	84.2	85.8	86.7	86.8	87.4	87.6	87.6	87.6	87.6	87.7	87.8
IV 1000	26.5	68.3	74.2	78.0	83.1	85.1	87.0	87.9	87.9	88.6	88.8	88.8	88.9	88.9	89.0	89.0
IV 900	26.5	68.8	74.5	78.4	83.6	85.7	87.6	88.5	88.5	89.4	89.5	89.5	89.6	89.6	89.7	89.8
IV 800	26.5	69.2	75.1	79.2	84.6	87.1	89.0	90.0	90.1	90.9	91.1	91.1	91.2	91.2	91.3	91.3
IV 700	26.5	69.7	75.7	80.0	85.5	88.0	90.1	91.2	91.3	92.1	92.2	92.2	92.3	92.3	92.4	92.4
IV 600	26.5	69.9	76.0	80.3	86.0	88.6	91.1	92.3	92.4	93.3	93.4	93.4	93.5	93.5	93.6	93.7
IV 500	26.5	70.1	76.2	80.6	86.5	89.3	92.7	93.8	93.9	94.9	95.1	95.1	95.2	95.2	95.3	95.4
IV 400	26.5	70.3	76.4	80.8	86.9	90.1	93.2	95.1	95.2	96.4	96.6	96.6	96.6	96.6	96.9	97.0
IV 300	26.5	71.2	76.9	80.6	87.0	90.3	93.7	95.6	95.6	97.1	97.4	97.5	97.7	97.7	97.9	98.0
IV 200	26.5	71.2	76.9	80.6	87.0	90.3	93.7	95.6	95.6	97.1	97.4	97.5	97.7	97.7	97.9	98.0
IV 100	26.5	71.2	76.9	80.6	87.0	90.3	93.7	95.6	95.6	97.1	97.4	97.5	97.7	97.7	97.9	98.0
IV 0	26.5	71.2	76.9	80.6	87.0	90.3	93.7	95.6	95.6	97.1	97.4	97.5	97.7	97.7	97.9	98.0

TOTAL NUMBER OF OBSERVATIONS 1976

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1-7 STATION NAME L. J. 907, 10 YEARS 73-75 MONTH NORTH 01 HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	17.7	43.7	44.1	44.1	46.3	47.7	51.6	53.3	53.9	53.3	53.5	53.9	53.8	53.8	53.2	44.2
≥ 20000	17.7	43.7	44.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.6
IV 18000	17.7	43.7	44.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.6
IV 16000	17.7	43.7	44.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.6
IV 14000	17.7	43.7	44.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.6
IV 12000	17.7	43.7	44.4	51.6	54.8	55.9	61.3	63.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.6
IV 10000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 9000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 8000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 7000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 6000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 5000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 4500	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 4000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 3500	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 3000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 2500	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 2000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 1800	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 1500	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 1200	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 1000	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 900	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 800	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 700	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 600	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 500	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 400	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 300	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 200	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 100	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9
IV 0	17.7	43.7	50.5	53.8	58.1	59.1	64.5	67.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

117
STATION

LAUREL, NC
STATION NAME

13-15
YEARS

000
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

24
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	34.4	33.5	77.8	45.9	43.7	46.2	47.3	47.3	49.8	50.5	50.5	50.5	50.5	52.7	52.7
IV 20000	1.0	37.6	31.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	57.0	59.1	59.1
IV 18000	1.0	37.6	31.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	57.0	59.1	59.1
IV 16000	1.0	37.6	31.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	57.0	59.1	59.1
IV 14000	1.0	37.6	31.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	57.0	59.1	59.1
IV 12000	1.0	37.6	31.7	43.0	45.2	47.3	51.6	53.8	53.8	55.9	57.0	57.0	57.0	57.0	59.1	59.1
IV 10000	1.0	40.9	41.9	46.2	48.4	50.5	57.0	62.4	62.4	63.4	63.4	63.4	63.4	63.4	65.6	65.6
IV 9000	1.0	40.9	41.9	46.2	48.4	50.5	57.0	62.4	62.4	63.4	63.4	63.4	63.4	63.4	65.6	65.6
IV 8000	1.0	44.1	45.2	49.5	52.7	54.8	61.3	64.5	64.5	67.7	68.8	68.8	68.8	68.8	71.0	71.0
IV 7000	1.0	44.1	45.2	49.5	52.7	55.9	62.4	65.6	65.6	68.8	69.9	69.9	69.9	69.9	72.0	72.0
IV 6000	1.0	44.1	45.2	49.5	52.7	55.9	62.4	65.6	65.6	68.8	69.9	69.9	69.9	69.9	72.0	72.0
IV 5000	1.0	44.1	45.2	49.5	52.7	55.9	62.4	65.6	65.6	68.8	69.9	69.9	69.9	69.9	72.0	72.0
IV 4500	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 4000	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 3500	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 3000	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 2500	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 2000	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 1800	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 1500	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 1200	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 1000	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 900	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 800	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 700	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 600	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 500	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 400	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 300	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 200	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 100	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2
IV 0	1.0	46.2	47.3	51.6	54.8	58.1	64.5	67.7	67.7	71.0	72.0	72.0	72.0	72.0	74.2	74.2

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7

LEASPORT, NC

72-71

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	10.0	40.0	32.0	26.1	44.0	42.0	47.7	47.0	48.0	48.0	49.7	50.0	50.0	50.0	50.0	51.0
IV 20000	10.0	31.0	30.0	40.7	45.5	40.7	55.2	50.0	56.0	56.0	57.4	50.0	56.0	50.0	59.7	59.7
IV 18000	10.0	32.0	30.0	40.7	45.5	40.7	55.2	50.0	56.0	56.0	57.4	50.0	56.0	50.0	59.7	59.7
IV 16000	10.0	32.0	30.0	40.7	45.5	40.7	55.2	50.0	56.0	56.0	57.4	50.0	56.0	50.0	59.7	59.7
IV 14000	10.0	33.0	30.0	41.0	45.0	40.0	55.0	57.1	57.1	57.7	50.0	58.7	50.0	59.0	60.0	60.0
IV 12000	10.0	33.0	30.0	41.0	45.0	40.0	55.0	57.7	57.7	58.4	50.0	59.4	50.0	59.7	60.7	60.7
IV 10000	11.0	35.0	30.0	43.6	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 9000	11.0	35.0	30.0	43.6	50.0	50.0	51.7	42.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 8000	11.0	35.0	40.0	47.1	54.0	60.0	66.0	68.0	68.0	69.0	70.0	70.0	71.0	71.0	71.0	71.0
IV 7000	11.0	39.0	40.0	40.0	55.0	61.0	69.0	70.0	70.0	71.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 6000	11.0	39.0	40.0	40.0	55.0	61.0	69.0	70.0	70.0	71.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 5000	11.0	39.0	40.0	40.0	55.0	61.0	69.0	70.0	70.0	71.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4500	12.0	40.0	40.0	40.0	50.0	60.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 4000	12.0	40.0	40.0	51.0	51.0	65.0	72.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 3500	12.0	41.0	40.0	52.0	50.0	66.0	74.0	77.0	77.0	76.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	12.0	42.0	40.0	53.0	61.0	65.0	76.0	80.0	80.0	81.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	12.0	42.0	40.0	53.0	61.0	65.0	76.0	80.0	80.0	81.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000	12.0	43.0	40.0	54.0	62.0	70.0	77.0	81.0	81.0	82.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800	12.0	43.0	40.0	54.0	62.0	70.0	77.0	81.0	81.0	82.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500	12.0	44.0	40.0	55.0	63.0	71.0	78.0	82.0	82.0	83.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1200	12.0	44.0	40.0	55.0	63.0	71.0	78.0	82.0	82.0	83.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1000	12.0	44.0	50.0	56.0	64.0	72.0	80.0	84.0	84.0	85.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 900	12.0	44.0	50.0	56.0	64.0	72.0	80.0	84.0	84.0	85.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 800	12.0	45.0	50.0	57.0	66.0	74.0	82.0	87.0	87.0	88.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 700	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 600	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 500	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 400	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 300	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 200	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 100	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 0	12.0	45.0	51.0	58.0	67.0	75.0	83.0	88.0	88.0	89.0	80.0	80.0	80.0	80.0	80.0	80.0

TOTAL NUMBER OF OBSERVATIONS

711

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147

LAKE HART, NC

STATION NAME

73-47

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	14.7	17.1	47.3	44.9	47.7	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 18000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 16000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 14000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 12000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 10000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 9000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 8000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 7000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 6000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 5000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4500	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 4000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3500	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2500	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 2000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1800	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1500	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1200	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 1000	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 900	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 800	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 700	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 600	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 500	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 400	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 300	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 200	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 100	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 0	17.1	42.6	47.4	51.0	54.8	56.8	58.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1

TOTAL NUMBER OF OBSERVATIONS 316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAFORCE, NC

STATION NAME

77-82

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.7	32.1	35.5	37.2	39.5	39.5	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 20000	31.7	39.5	41.7	46.0	44.2	49.5	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	31.7	39.5	41.7	46.0	44.2	49.5	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 16000	31.7	39.5	41.7	46.0	44.2	49.5	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 14000	31.7	39.5	41.7	46.0	44.2	49.5	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	31.7	40.1	44.3	46.6	46.9	49.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 7000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 6000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 5000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3500	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2500	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1800	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1500	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1200	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 1000	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 900	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 800	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 700	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 600	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 500	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 400	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 300	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 200	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 100	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 0	34.0	43.4	47.6	49.8	52.8	53.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7

TOTAL NUMBER OF OBSERVATIONS

120

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

157
STATIONCAMPST, NC
STATION NAME77-82
YEARSJUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)1
HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	17.7	16.2	47.7	42.3	45.2	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	11.7	43.2	47.7	52.7	54.5	54.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 18000	11.5	43.2	47.7	52.7	54.5	54.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 16000	11.3	43.2	47.7	50.7	54.5	54.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	11.1	43.9	47.4	51.3	55.2	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	11.3	44.3	47.4	52.3	56.5	56.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	11.3	47.1	52.3	55.2	60.0	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	11.3	47.1	52.3	55.2	60.0	60.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	23.7	51.3	56.5	59.4	64.2	64.8	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	22.7	52.3	57.4	61.3	65.2	65.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	21.8	52.6	57.7	62.7	65.5	66.1	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 5000	23.9	52.5	58.1	61.0	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500	23.7	53.6	58.7	61.6	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4000	24.7	57.4	62.6	66.5	71.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	26.5	61.9	69.1	72.3	77.7	78.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	26.4	65.2	71.6	76.1	82.9	84.2	85.2	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500	27.9	67.7	74.5	79.4	86.1	87.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	29.7	69.4	76.5	81.6	88.7	90.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800	29.7	69.4	76.5	81.6	88.7	90.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	29.4	69.7	76.8	82.6	89.7	91.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	29.4	69.7	76.8	82.6	89.7	91.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	29.4	69.7	77.4	83.2	90.3	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	29.4	69.7	77.7	83.6	90.7	92.3	95.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	29.4	70.7	78.7	84.5	91.6	93.6	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 47 STATION NAME LANE HARBOR, N.C. YEARS 73-77 MONTHS JUL 19 HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.2	43.6	46.8	52.0	52.6	53.6	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	23.2	51.9	55.5	60.0	64.2	66.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 18000	23.2	51.9	55.5	60.0	64.2	66.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000	23.2	51.9	55.5	60.0	64.2	66.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000	23.2	51.9	55.5	61.0	64.2	66.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 12000	23.2	53.2	56.8	61.3	65.5	67.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 10000	24.7	55.8	61.3	66.1	71.0	73.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 9000	24.7	57.1	61.9	66.8	71.6	73.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 8000	25.5	59.7	64.5	69.7	74.5	77.1	78.1	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	25.5	61.0	66.1	71.3	76.1	78.7	80.0	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 6000	25.5	61.0	66.1	71.3	76.1	78.7	80.0	80.7	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 5000	25.5	61.3	66.5	71.6	76.5	79.0	80.3	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	25.5	62.6	67.4	73.6	78.4	81.0	82.3	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	26.1	65.2	71.0	76.8	82.6	85.5	87.1	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 3500	26.1	65.5	71.3	77.4	83.2	86.5	88.4	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 3000	27.4	67.1	72.9	79.4	85.5	89.0	91.3	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2500	27.4	67.1	72.9	79.4	85.5	89.0	91.3	91.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	27.4	68.1	73.9	80.3	86.5	90.3	92.6	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1800	27.4	68.1	73.9	80.3	86.5	90.3	92.6	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	27.4	68.1	74.2	80.7	86.8	90.7	92.9	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	27.4	68.4	74.5	81.0	87.1	91.3	93.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1000	27.4	69.1	75.2	81.6	87.7	91.9	94.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	27.7	69.4	75.5	81.9	88.1	92.3	94.8	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 800	27.7	69.7	75.8	82.3	88.4	92.6	95.5	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	27.7	69.7	75.8	82.3	88.4	92.9	95.8	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	27.7	69.7	75.8	82.3	88.4	92.9	96.1	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	27.7	69.7	75.8	82.3	88.4	92.9	96.5	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	27.7	69.7	75.8	82.3	88.4	92.9	96.5	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	27.7	69.7	75.8	82.3	88.4	92.9	96.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	27.7	69.7	75.8	82.3	88.4	92.9	96.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	27.7	69.7	75.8	82.3	88.4	92.9	96.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	27.7	69.7	75.8	82.3	88.4	92.9	96.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LEAFCREST, NJ

STATION NAME

73-47

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

20

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	19.7	43.0	46.9	50.5	52.4	54.1	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	21.7	50.8	56.6	61.2	64.7	66.7	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 18000	21.7	50.8	56.6	61.2	64.7	66.7	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 16000	21.7	50.8	56.6	61.2	64.7	66.7	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 14000	21.7	50.8	56.6	61.2	64.7	66.7	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 12000	21.7	50.8	56.6	61.2	65.4	67.3	68.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000	22.0	53.7	59.9	65.1	69.9	72.2	74.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 9000	22.0	53.7	59.9	65.1	69.9	72.2	74.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	22.3	55.0	61.8	68.0	73.1	75.4	77.4	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 7000	22.3	56.0	62.4	68.9	74.4	76.7	78.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 6000	22.3	56.0	62.4	68.9	74.4	76.7	78.6	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	22.3	56.0	63.1	69.3	74.9	77.0	79.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 4500	22.3	57.6	65.1	71.2	76.7	79.6	81.6	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	22.7	60.8	68.6	75.1	80.9	83.0	85.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	22.7	61.2	69.9	75.4	81.2	84.1	86.1	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	22.7	62.1	70.2	77.0	83.2	86.4	88.7	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2500	22.7	62.1	70.2	77.0	83.2	86.4	88.7	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2000	22.7	62.5	70.6	77.4	83.5	86.7	89.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800	22.7	62.5	70.6	77.4	83.5	86.7	89.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500	22.7	62.5	70.6	77.4	83.5	86.7	89.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200	22.7	62.5	70.6	77.4	83.5	86.7	89.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	22.7	62.5	71.2	78.0	84.1	88.0	91.3	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	22.7	62.5	71.2	78.0	84.1	88.0	91.3	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 800	22.7	62.5	71.5	78.3	84.5	88.7	91.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 700	22.7	62.5	71.8	78.6	85.1	89.3	92.6	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 600	22.7	62.5	71.8	78.6	85.1	89.3	92.6	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 500	22.7	62.8	72.2	79.0	85.4	89.6	94.5	96.4	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	22.7	63.1	72.5	79.3	85.8	90.0	94.8	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	22.7	63.4	72.8	79.6	86.4	90.6	95.8	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	22.7	63.4	72.8	79.6	86.4	90.6	95.8	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	22.7	63.4	72.8	79.6	86.4	90.6	95.8	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	22.7	63.4	72.8	79.6	86.4	90.6	95.8	97.7	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAURELHURST, N.C.

77-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	15.4	37.3	41.6	43.4	45.0	47.2	48.9	49.5	49.5	49.7	49.8	49.8	49.8	49.8	50.1	50.1
≥ 20000	15.4	43.3	47.7	51.2	54.8	56.6	58.7	59.3	59.4	59.6	59.8	59.8	59.8	59.9	60.2	60.2
IV 18000	16.4	43.3	47.7	51.2	54.8	56.6	58.7	59.3	59.4	59.6	59.8	59.8	59.8	59.9	60.2	60.2
IV 16000	16.4	43.3	47.7	51.2	54.8	56.6	58.7	59.3	59.4	59.6	59.8	59.8	59.8	59.9	60.2	60.2
IV 14000	17.7	43.4	47.8	51.3	55.0	56.8	58.9	59.5	59.6	59.8	60.0	60.0	60.0	60.1	60.4	60.4
IV 12000	18.9	43.4	48.3	51.9	55.7	57.5	59.6	60.4	60.5	60.7	60.9	60.9	60.9	61.0	61.3	61.3
IV 10000	19.8	46.6	51.5	55.2	59.6	61.8	64.1	65.0	65.1	65.3	65.5	65.5	65.5	65.6	65.9	66.0
IV 9000	19.8	46.7	51.6	55.3	59.8	62.0	64.4	65.2	65.3	65.5	65.8	65.8	65.8	65.9	66.1	66.2
IV 8000	20.4	49.5	54.7	58.7	63.7	66.1	68.5	69.4	69.5	69.9	70.1	70.1	70.2	70.2	70.5	70.6
IV 7000	20.4	50.4	55.7	59.7	64.8	67.2	69.8	70.7	70.8	71.1	71.4	71.4	71.4	71.5	71.8	71.9
IV 6000	20.4	50.5	55.8	59.8	64.9	67.3	69.9	70.6	70.9	71.2	71.5	71.5	71.5	71.6	71.9	72.0
IV 5000	20.9	50.9	56.2	60.3	65.3	67.8	70.3	71.3	71.4	71.7	72.0	72.0	72.0	72.1	72.4	72.5
IV 4500	20.7	51.8	57.3	61.5	66.6	69.2	71.9	72.9	73.0	73.3	73.6	73.6	73.6	73.7	74.0	74.1
IV 4000	21.7	54.3	60.0	64.6	70.3	73.1	76.0	77.3	77.4	77.7	77.9	77.9	78.0	78.0	78.4	78.4
IV 3500	21.9	56.8	62.7	67.4	73.2	76.2	79.1	80.4	80.5	80.9	81.1	81.1	81.2	81.2	81.6	81.6
IV 3000	22.0	59.4	66.0	71.0	77.4	80.7	83.9	85.2	85.3	85.7	85.9	85.9	86.0	86.1	86.4	86.5
IV 2500	23.3	60.5	67.2	72.5	79.9	82.3	85.6	87.0	87.1	87.4	87.7	87.7	87.7	87.8	88.2	88.2
IV 2000	23.3	61.4	68.3	73.7	80.4	84.0	87.4	88.9	89.3	89.5	89.5	89.5	89.6	89.7	90.0	90.1
IV 1800	23.3	61.6	68.4	73.8	80.5	84.2	87.6	89.0	89.1	89.5	89.7	89.7	89.8	89.9	90.2	90.3
IV 1500	23.4	62.7	69.0	74.7	81.5	85.3	89.0	90.6	90.7	91.1	91.3	91.3	91.3	91.4	91.8	91.8
IV 1200	23.4	62.2	69.3	75.1	82.1	86.0	89.7	91.3	91.4	91.8	92.0	92.0	92.1	92.2	92.5	92.6
IV 1000	23.4	62.5	69.9	75.7	82.8	86.8	90.6	92.4	92.5	92.9	93.1	93.1	93.2	93.3	93.6	93.7
IV 900	23.4	62.6	70.2	76.0	83.2	87.3	91.1	93.1	93.2	93.5	93.8	93.8	93.9	94.0	94.4	94.4
IV 800	23.4	63.0	70.7	76.5	83.9	88.1	92.3	94.3	94.5	94.9	95.1	95.1	95.3	95.4	95.7	95.7
IV 700	23.4	63.2	70.9	76.8	84.3	88.7	92.9	94.9	95.1	95.5	95.7	95.7	95.8	95.9	96.3	96.3
IV 600	23.4	63.2	70.9	76.9	84.5	88.9	93.4	95.5	95.6	96.0	96.3	96.3	96.5	96.6	96.9	97.0
IV 500	23.4	63.3	71.0	77.1	84.8	89.1	94.1	96.6	96.8	97.3	97.6	97.6	97.8	97.9	98.2	98.3
IV 400	23.4	63.3	71.1	77.2	84.9	89.2	94.2	96.9	97.1	97.6	97.9	98.0	98.1	98.2	98.6	98.6
IV 300	23.4	63.4	71.1	77.3	85.0	89.3	94.4	97.1	97.5	98.0	98.4	98.4	98.7	98.8	99.2	99.3
IV 200	23.4	63.4	71.1	77.3	85.0	89.4	94.5	97.2	97.5	98.0	98.5	98.6	98.9	99.0	99.5	99.6
IV 100	23.4	63.4	71.1	77.3	85.0	89.4	94.5	97.2	97.5	98.0	98.6	98.6	99.0	99.1	99.7	99.6
IV 0	23.4	63.4	71.1	77.3	85.0	89.4	94.5	97.2	97.5	98.0	98.6	98.6	99.0	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2044

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147-0
STATION

LAKEHURST, NJ

STATION NAME

73-75

YEARS

41
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)31
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.4	31.7	36.6	37.6	40.9	41.9	46.2	47.3	45.4	48.4	47.5	49.5	47.5	49.5	49.5	49.5
≥ 20000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 18000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 16000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 14000	9.7	36.6	41.9	44.1	49.5	51.6	58.1	59.1	60.2	60.2	61.3	61.3	61.3	61.3	61.3	61.3
IV 12000	9.7	36.6	43.7	45.2	50.5	52.7	59.1	60.2	61.3	61.3	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	9.7	37.6	46.2	48.4	53.8	55.9	62.4	63.4	64.5	64.5	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	9.7	38.7	47.3	49.5	54.8	57.0	63.4	64.5	65.6	65.6	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	9.7	44.1	52.7	54.8	61.3	63.4	69.9	71.0	72.0	73.1	73.1	74.2	74.2	74.2	74.2	74.2
IV 7000	9.7	44.1	52.7	55.9	62.4	64.5	71.0	72.0	73.1	73.1	74.2	74.2	74.2	74.2	74.2	74.2
IV 6000	11.8	46.2	54.8	58.1	64.5	66.7	73.1	74.2	75.3	75.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 5000	11.8	47.3	55.9	59.1	65.6	68.8	75.3	76.3	77.4	77.4	78.5	78.5	78.5	78.5	78.5	78.5
IV 4500	11.8	48.4	57.0	60.2	66.7	69.9	76.3	77.4	78.5	78.5	79.6	79.6	79.6	79.6	79.6	79.6
IV 4000	11.8	50.5	59.1	62.4	68.8	72.0	78.5	79.6	81.7	81.7	82.8	82.8	82.8	82.8	82.8	82.8
IV 3500	11.8	50.5	59.1	62.4	68.8	72.0	78.5	79.6	81.7	81.7	82.8	82.8	82.8	82.8	82.8	82.8
IV 3000	11.8	50.5	59.1	62.4	68.8	72.0	78.5	80.7	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500	11.8	50.5	59.1	62.4	68.8	72.0	78.5	80.7	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9
IV 2000	11.8	51.6	60.2	63.4	69.9	73.1	79.6	81.7	83.9	83.9	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	11.8	51.6	60.2	63.4	69.9	73.1	79.6	81.7	83.9	83.9	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	11.8	52.7	61.3	64.5	72.0	76.3	82.8	85.0	87.1	87.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 1200	11.8	52.7	61.3	64.5	72.0	76.3	82.8	85.0	87.1	87.1	88.2	88.2	88.2	88.2	88.2	88.2
IV 1000	11.8	54.8	63.4	66.7	74.2	78.5	87.1	89.3	91.4	91.4	92.5	92.5	92.5	92.5	92.5	92.5
IV 900	11.8	54.8	63.4	66.7	74.2	78.5	87.1	89.3	91.4	91.4	92.5	92.5	92.5	92.5	92.5	92.5
IV 800	11.8	54.8	64.5	67.7	76.3	80.7	89.3	91.4	93.6	93.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700	11.8	54.8	64.5	67.7	76.3	80.7	89.3	91.4	93.6	93.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 600	11.8	54.8	64.5	67.7	76.3	80.7	89.3	91.4	93.6	93.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 500	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 200	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 100	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	11.8	54.8	64.5	67.7	76.3	81.7	91.4	93.6	95.7	95.7	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

93

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION
147STATION NAME
LAKE FORST, NCYEARS
73-75MONTH
AUGHOURS (LST)
04PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	7.7	28.1	29.1	30.1	35.5	37.6	45.2	47.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	51.5
≥ 20000	7.7	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	57.0	57.0	58.1	59.1
IV 18000	7.7	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	57.0	57.0	58.1	59.1
IV 16000	7.7	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	57.0	57.0	58.1	59.1
IV 14000	7.7	30.1	31.2	32.3	40.9	43.0	51.6	54.8	55.9	57.0	57.0	57.0	57.0	57.0	58.1	59.1
IV 12000	7.7	32.3	34.4	35.5	44.1	46.2	54.8	58.1	59.1	60.2	60.2	60.2	60.2	60.2	61.3	62.4
IV 10000	7.7	35.5	38.7	39.8	48.4	50.5	59.1	62.4	63.4	64.5	64.5	64.5	64.5	64.5	65.6	66.7
IV 9000	7.7	37.6	39.8	40.9	49.5	51.6	60.2	63.4	64.5	65.6	65.6	65.6	65.6	65.6	66.7	67.7
IV 8000	7.7	39.8	41.9	43.0	52.7	54.8	65.6	68.8	69.9	71.0	71.0	71.0	71.0	71.0	72.0	73.1
IV 7000	7.7	39.8	41.9	43.0	52.7	54.8	65.6	68.8	69.9	71.0	71.0	71.0	71.0	71.0	72.0	73.1
IV 6000	7.7	39.8	41.9	43.0	52.7	54.8	65.6	68.8	69.9	71.0	71.0	71.0	71.0	71.0	72.0	73.1
IV 5000	7.7	41.9	44.1	45.2	54.8	57.0	67.7	71.0	72.0	73.1	73.1	73.1	73.1	73.1	74.2	75.2
IV 4500	7.7	44.1	46.2	47.3	58.1	60.2	71.0	74.2	75.3	76.3	76.3	76.3	76.3	76.3	77.4	78.5
IV 4000	7.7	44.1	46.2	47.3	58.1	60.2	71.0	74.2	75.3	76.3	76.3	76.3	76.3	76.3	77.4	78.5
IV 3500	7.7	45.2	47.3	48.4	59.1	60.2	72.0	75.3	76.3	77.4	78.5	78.5	78.5	78.5	79.6	80.7
IV 3000	7.7	46.2	48.4	50.5	61.3	63.4	74.2	77.4	78.5	79.6	79.6	79.6	79.6	79.6	80.7	81.7
IV 2500	7.7	47.3	49.5	51.6	62.4	64.5	75.3	78.5	79.6	80.7	80.7	80.7	80.7	80.7	81.7	82.8
IV 2000	7.7	48.4	50.5	52.7	63.4	65.6	76.3	79.6	80.7	81.7	81.7	81.7	81.7	81.7	82.8	83.9
IV 1800	7.7	48.4	50.5	52.7	63.4	65.6	76.3	79.6	80.7	81.7	81.7	81.7	81.7	81.7	82.8	83.9
IV 1500	7.7	48.4	50.5	52.7	63.4	65.6	76.3	79.6	80.7	81.7	81.7	81.7	81.7	81.7	82.8	83.9
IV 1200	7.7	49.5	51.6	53.8	66.7	69.9	80.7	83.9	85.0	86.0	86.0	86.0	86.0	86.0	87.1	88.2
IV 1000	7.7	49.5	51.6	53.8	67.7	71.0	81.7	85.0	86.0	87.1	87.1	87.1	87.1	87.1	88.2	89.3
IV 900	7.7	49.5	51.6	53.8	67.7	71.0	81.7	85.0	86.0	87.1	87.1	87.1	87.1	87.1	88.2	89.3
IV 800	7.7	49.5	51.6	53.8	67.7	71.0	81.7	85.0	86.0	87.1	87.1	87.1	87.1	87.1	88.2	89.3
IV 700	7.7	49.5	51.6	53.8	67.7	71.0	81.7	85.0	86.0	87.1	87.1	87.1	87.1	87.1	88.2	89.3
IV 600	7.7	49.5	51.6	53.8	67.7	71.0	81.7	85.0	86.0	87.1	87.1	87.1	87.1	87.1	88.2	89.3
IV 500	7.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	90.3	90.3	90.3	91.4	92.5
IV 400	7.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	90.3	90.3	90.3	91.4	92.5
IV 300	7.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	90.3	90.3	90.3	91.4	92.5
IV 200	7.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	90.3	90.3	90.3	91.4	92.5
IV 100	7.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	90.3	90.3	90.3	91.4	92.5
IV 0	7.7	50.5	53.8	55.9	69.9	74.2	85.0	88.2	89.3	90.3	90.3	90.3	90.3	90.3	91.4	92.5

TOTAL NUMBER OF OBSERVATIONS

73

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

107
STATION

LAKE FIRST, NC

STATION NAME

73-82

YEARS

400
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)27
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	5.0	20.7	23.3	24.8	29.7	32.9	39.4	41.6	41.6	43.2	42.6	43.9	44.2	44.2	44.2	44.9
≥ 20000	6.1	22.3	24.3	27.7	34.2	38.1	45.5	48.4	48.4	50.7	51.0	51.3	51.6	51.6	52.3	52.9
IV 18000	6.1	22.3	24.3	27.7	34.2	38.1	45.5	48.4	48.4	50.7	51.0	51.3	51.6	51.6	52.3	52.9
IV 16000	6.1	22.3	24.3	27.7	34.2	38.1	45.5	48.4	48.4	50.7	51.0	51.3	51.6	51.6	52.3	52.9
IV 14000	6.1	22.3	24.3	27.7	34.2	38.1	45.5	48.4	48.4	50.7	51.0	51.3	51.6	51.6	52.3	52.9
IV 12000	6.1	22.3	24.3	27.7	34.2	38.1	45.5	48.4	48.4	50.7	51.0	51.3	51.6	51.6	52.3	52.9
IV 10000	6.1	24.2	27.4	31.3	39.4	43.9	51.9	55.5	55.5	56.1	58.4	58.7	59.7	59.7	59.7	60.3
IV 9000	6.1	24.2	27.4	31.3	39.4	43.9	52.3	55.5	55.5	56.4	58.7	59.0	59.4	59.4	60.0	60.7
IV 8000	6.1	26.3	31.3	34.5	43.7	49.0	59.4	63.2	63.2	65.8	66.1	66.5	67.4	67.4	68.1	69.0
IV 7000	6.1	27.1	31.1	35.2	43.9	49.7	60.0	64.2	64.2	66.8	67.1	67.4	68.4	68.4	69.7	70.0
IV 6000	6.1	27.4	31.3	35.5	44.2	50.0	60.3	64.5	64.5	67.1	67.4	67.7	68.7	68.7	69.4	70.7
IV 5000	6.1	28.4	32.6	37.1	45.3	51.6	62.6	66.9	66.9	69.4	69.7	70.0	71.0	71.0	71.9	72.9
IV 4500	6.1	28.4	32.6	37.1	45.3	51.6	62.9	67.1	67.1	69.7	70.0	70.3	71.3	71.3	72.3	73.2
IV 4000	6.1	30.0	34.5	39.0	48.4	54.8	66.5	70.7	71.0	73.6	73.9	74.2	75.5	75.5	76.5	77.4
IV 3500	6.1	31.1	35.5	40.0	49.4	55.8	67.4	71.6	71.9	74.5	74.8	75.2	76.5	76.5	77.4	78.4
IV 3000	6.1	32.6	37.1	41.6	51.6	58.1	69.7	74.2	74.5	77.1	77.4	77.7	79.0	79.0	80.0	81.0
IV 2500	6.1	33.7	37.7	42.3	52.9	59.4	71.0	75.5	75.8	78.4	78.7	79.0	80.3	80.3	81.3	82.3
IV 1800	6.1	33.2	37.7	42.3	52.9	59.4	71.0	75.5	75.8	78.4	78.7	79.0	80.3	80.3	81.3	82.3
IV 1500	6.1	33.6	38.1	42.6	54.2	60.7	72.6	77.4	77.7	80.0	80.3	81.3	82.6	82.6	83.6	84.5
IV 1200	6.1	33.9	38.7	43.2	54.8	61.6	73.6	78.4	78.7	81.3	81.6	82.3	83.9	83.9	84.8	85.5
IV 1000	6.1	33.9	38.7	43.2	54.8	61.6	73.9	78.7	79.0	81.6	82.3	82.6	83.9	83.9	84.8	85.5
IV 900	6.1	33.9	38.7	43.2	54.8	61.6	73.9	78.7	79.0	81.6	82.3	82.6	83.9	83.9	84.8	85.5
IV 800	6.1	34.2	39.4	43.9	55.8	62.6	75.2	80.0	80.3	82.9	83.6	83.9	85.2	85.2	86.1	87.1
IV 700	6.1	34.2	39.4	43.9	55.8	62.6	75.2	80.0	80.3	82.9	83.6	83.9	85.2	85.2	86.1	87.1
IV 600	6.1	34.5	39.7	44.2	56.1	62.9	75.1	81.0	81.3	83.9	84.8	85.2	86.5	86.5	87.4	88.7
IV 500	6.1	34.5	39.7	44.8	56.8	63.6	77.1	82.9	83.2	86.1	87.7	88.4	89.7	89.7	90.7	92.3
IV 400	6.1	34.5	39.7	44.8	57.1	63.9	77.4	83.6	84.2	87.1	88.7	89.4	91.0	91.0	91.9	93.6
IV 300	6.1	34.5	39.7	44.8	57.1	64.2	77.7	84.2	84.8	87.7	89.7	90.3	92.3	92.3	93.2	95.2
IV 200	6.1	34.5	39.7	44.8	57.1	64.2	77.7	84.2	84.8	87.7	89.7	90.3	92.3	92.3	93.6	95.5
IV 100	6.1	34.5	39.7	44.8	57.1	64.2	77.7	84.2	84.8	87.7	89.7	90.3	92.3	92.3	93.6	96.1
IV 0	6.1	34.5	39.7	44.8	57.1	64.2	77.7	84.2	84.8	87.7	89.7	90.3	92.3	92.3	93.6	96.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

117

LAWRENCE, NC

73-32

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.7	32.1	37.4	42.3	45.7	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 20000	12.7	35.8	41.3	45.5	52.9	3.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 18000	12.7	35.8	41.3	45.5	52.9	3.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 16000	12.7	35.8	41.3	45.5	52.9	3.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 14000	12.7	35.8	41.3	45.5	52.9	3.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	12.7	37.1	42.6	46.8	54.5	35.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 10000	13.6	39.4	45.2	50.3	58.7	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	13.6	39.4	45.2	50.3	58.7	60.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 8000	13.6	42.9	48.4	54.8	63.2	65.2	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	13.6	43.6	50.0	56.5	63.9	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	13.6	43.9	51.3	55.8	64.2	66.1	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 5000	13.6	44.8	51.6	57.1	65.5	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	13.6	45.5	52.6	58.4	66.8	68.7	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4000	13.6	46.5	53.9	59.7	68.4	70.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	13.6	47.7	55.6	61.6	70.7	72.9	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3000	13.6	48.3	56.4	64.2	74.2	76.8	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2500	13.6	52.6	61.0	67.1	77.4	80.0	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 2000	13.6	54.2	62.6	69.0	79.7	82.3	84.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1800	13.6	54.3	63.2	69.7	80.3	82.9	85.2	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1500	13.6	55.4	64.2	71.0	82.6	85.5	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200	13.6	56.5	64.8	71.9	84.5	87.7	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	13.6	56.1	66.5	73.9	86.8	90.3	93.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900	13.6	58.1	66.5	74.2	87.1	90.7	93.9	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 800	13.6	58.7	67.1	74.8	87.7	91.9	95.5	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 700	13.6	58.7	67.1	74.8	87.7	91.9	95.5	96.8	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	13.6	58.7	67.1	74.8	87.7	91.9	95.5	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	13.6	58.7	67.1	74.8	88.1	92.3	96.5	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 400	13.6	58.7	67.1	74.8	88.1	92.3	96.8	98.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	13.6	58.7	67.1	74.8	88.1	92.3	96.8	98.7	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	13.6	58.7	67.1	74.8	88.1	92.3	96.8	98.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 100	13.6	58.7	67.1	74.8	88.1	92.3	96.8	98.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0
IV 0	13.6	58.7	67.1	74.8	88.1	92.3	96.8	98.7	99.0	99.4	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1177 STATION NAME 1177 YEARS 1957 MONTH 11

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11
HOURS 11.5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	17.2	27.4	31.7	33.2	34.8	34.8	35.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 16000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 14000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 12000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 10000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 9000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 8000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 7000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 6000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 5000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4500	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 3500	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 3000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2500	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1800	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1500	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1200	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1000	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 900	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 800	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 700	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 600	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 500	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 400	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 300	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 200	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 100	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 0	14.5	32.9	37.1	39.4	41.6	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1-7 STATION NAME 201-017, 10 YEARS 1910 MONTH 15 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.7	22.0	36.5	48.1	59.7	69.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	1.7	41.7	41.7	48.7	51.7	52.7	52.3	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	1.7	41.7	48.7	48.7	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000	1.7	41.7	48.7	48.7	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	1.7	41.7	48.7	48.7	51.7	52.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000	1.7	42.5	48.7	49.4	51.7	51.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000	1.7	46.1	51.7	53.4	55.8	56.5	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IV 9000	1.7	46.5	52.3	54.2	56.1	56.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 8000	1.7	46.7	54.2	56.7	58.7	58.7	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 7000	1.7	51.7	55.7	61.7	67.3	67.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 6000	21.7	51.7	55.7	61.3	62.6	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 5000	22.7	52.7	57.7	62.3	64.5	65.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4500	2.7	54.8	57.7	64.5	66.8	67.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000	24.5	57.4	62.7	68.7	71.6	72.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	25.7	61.3	67.1	72.9	76.1	78.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 3000	25.7	64.0	71.7	77.7	81.6	83.9	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	27.7	66.1	72.7	80.3	84.2	86.5	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	28.7	66.1	73.6	81.3	85.5	88.1	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	28.5	66.1	73.6	81.3	85.5	88.1	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	27.7	66.1	73.6	81.3	85.5	88.7	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	26.7	66.5	74.2	81.3	85.5	89.4	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	26.7	66.5	74.5	82.3	87.1	90.3	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 900	26.5	66.5	74.5	82.3	87.1	90.3	94.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	26.7	66.5	75.2	83.2	88.4	91.6	95.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	26.7	66.8	75.5	83.6	89.0	92.6	96.8	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 600	26.7	66.8	75.7	83.6	89.0	92.7	97.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	26.5	66.8	75.5	83.6	89.0	92.5	97.1	98.7	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	26.7	66.8	75.5	83.6	89.0	92.9	97.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	26.7	66.8	75.5	83.6	89.0	92.9	97.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	26.7	66.8	75.5	83.6	89.0	92.9	97.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	26.5	66.8	75.5	83.6	89.0	92.9	97.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	26.5	66.8	75.5	83.6	89.0	92.9	97.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 715

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1-7 STATION NAME LAKE SUPERIOR YEARS 1957-60 MONTH 10

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	100.0	95.0	88.1	81.3	74.5	67.7	61.3	55.0	48.1	41.1	34.1	27.1	20.1	13.1	6.1	0.0
≥ 20000	100.0	43.2	46.2	51.0	55.8	57.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	100.0	43.2	46.2	51.0	55.8	57.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	100.0	43.2	46.2	51.0	55.8	57.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	100.0	43.2	46.2	51.0	55.8	57.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	100.0	44.2	47.7	51.9	57.1	59.7	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 10000	100.0	48.4	52.8	56.1	63.6	65.5	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 9000	100.0	48.4	52.8	56.1	63.6	65.5	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 8000	100.0	52.9	57.7	62.9	69.7	71.3	75.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	100.0	53.8	58.7	64.2	71.3	72.8	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 6000	100.0	53.7	59.0	64.5	73.7	72.7	76.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 5000	100.0	54.8	60.7	66.1	75.2	74.5	77.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 4500	100.0	55.0	61.6	67.1	75.2	76.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 4000	100.0	57.1	63.2	69.7	75.2	78.7	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	100.0	57.4	64.2	70.0	77.1	80.0	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	100.0	58.4	65.1	71.9	80.0	83.6	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	100.0	58.3	67.4	73.2	81.3	85.2	91.6	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	100.0	58.3	67.7	74.2	82.6	86.5	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	100.0	60.3	69.1	74.3	82.9	86.9	93.7	94.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1500	100.0	60.7	69.1	74.5	82.9	86.8	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1200	100.0	60.3	69.1	74.5	82.9	86.8	93.9	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1000	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	100.0	61.0	69.7	75.2	83.6	87.4	94.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 1077 STATION NAME 1077 PRT, NC YEARS 1961 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	10.3	77.5	41.1	40.1	47.5	46.2	50.5	51.4	51.7	50.1	50.3	50.9	50.3	50.3	50.3	50.3
≥ 20000	10.3	44.7	50.2	50.2	50.9	51.2	63.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	10.3	44.7	50.2	50.2	50.9	51.2	63.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	10.3	44.7	50.2	50.2	50.9	51.2	63.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 14000	10.3	44.7	50.2	50.2	50.9	51.2	63.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 12000	10.3	45.7	51.1	50.7	60.3	62.1	64.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	10.3	47.3	53.1	50.9	63.1	64.4	67.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 9000	10.3	47.3	53.1	50.9	63.1	64.4	67.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 8000	16.0	53.7	63.3	60.3	71.2	72.9	76.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	17.3	54.4	67.9	67.1	71.2	73.5	77.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	17.3	54.4	67.9	67.1	71.2	73.5	77.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 5000	17.3	54.4	67.9	67.1	71.2	73.5	77.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	17.3	55.3	68.5	67.3	73.5	75.0	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4000	17.3	57.3	64.1	70.2	75.7	77.7	81.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 3500	17.3	58.3	68.7	72.5	75.7	77.3	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	17.3	58.9	67.3	73.8	81.2	83.2	87.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2500	17.3	58.9	67.3	74.4	82.2	84.1	88.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 2000	17.3	58.9	67.3	74.4	82.2	84.1	88.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 1800	17.3	59.5	67.3	74.8	83.2	85.4	89.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1500	17.3	59.5	67.3	75.1	83.5	85.8	89.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1200	17.3	59.5	67.3	75.1	83.5	85.8	89.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 1000	17.3	59.5	67.3	75.4	84.1	86.4	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	17.3	59.5	67.3	75.4	84.1	86.4	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 800	17.3	59.5	67.3	76.1	84.8	87.1	91.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700	17.3	59.5	67.3	76.1	84.8	87.1	91.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600	17.3	59.5	67.3	76.1	84.8	87.1	91.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 500	17.3	60.2	68.9	76.7	85.4	88.0	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400	17.3	60.2	68.9	76.7	85.4	88.0	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 300	17.3	60.2	68.9	76.7	85.4	88.0	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 200	17.3	60.2	68.9	76.7	85.4	88.0	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	17.3	60.2	68.9	76.7	85.4	88.0	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 0	17.3	60.2	68.9	76.7	85.4	88.0	94.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

L.A. TRUST, CO

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	11.4	70.9	34.4	37.1	41.5	41.7	44.1	44.7	44.9	45.1	45.2	45.2	45.3	45.2	45.3	45.4
IV 20000	17.4	76.5	41.7	44.1	48.7	49.2	53.4	54.2	54.3	54.7	54.8	54.8	54.9	54.9	55.2	55.2
IV 18000	17.4	76.5	41.7	44.1	48.7	49.2	53.4	54.2	54.3	54.7	54.8	54.8	54.9	54.9	55.2	55.2
IV 16000	17.4	76.5	40.5	44.1	48.7	49.2	53.4	54.2	54.3	54.7	54.8	54.8	54.9	54.9	55.2	55.2
IV 14000	17.4	76.5	40.5	44.1	48.7	49.2	53.4	54.2	54.3	54.7	54.8	54.8	54.9	54.9	55.2	55.2
IV 12000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 10000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 9000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 8000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 7000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 6000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 5000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 4500	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 4000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 3500	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 3000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 2500	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 2000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 1800	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 1500	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 1200	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 1000	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 900	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 800	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 700	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 600	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 500	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 400	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 300	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 200	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 100	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1
IV 0	17.4	77.2	41.7	44.5	49.7	51.2	54.3	55.2	55.3	55.7	55.8	55.8	55.9	55.9	56.2	56.1

TOTAL NUMBER OF OBSERVATIONS

2045

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

LAKE LODGE, NC

STATION NAME

77-75

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼
NO CEILING	10.0	30.9	43.3	48.6	48.9	48.9	53.2	55.6	55.6	55.6	56.7	56.7	56.7	56.7	56.7
≥ 20000	1.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	63.3	64.4	64.4	64.4
≥ 18000	1.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	63.3	64.4	64.4	64.4
≥ 16000	1.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	63.3	64.4	64.4	64.4
≥ 14000	1.1	43.3	47.8	52.2	55.6	55.6	58.9	62.2	62.2	62.2	63.3	63.3	64.4	64.4	64.4
≥ 12000	1.1	44.4	48.9	53.3	56.7	56.7	60.0	63.3	63.3	63.3	64.4	64.4	65.6	65.6	65.6
≥ 10000	22.2	48.9	53.3	57.8	61.1	61.1	64.4	67.8	67.8	67.8	68.9	68.9	70.0	70.0	70.0
≥ 9000	22.2	48.9	53.3	57.8	61.1	61.1	64.4	67.8	67.8	67.8	68.9	68.9	70.0	70.0	70.0
≥ 8000	22.2	51.1	55.6	60.0	63.3	63.3	66.7	70.0	70.0	70.0	71.1	71.1	72.2	72.2	72.2
≥ 7000	22.2	52.2	56.7	61.1	64.4	64.4	67.8	71.1	71.1	71.1	72.2	72.2	73.3	73.3	73.3
≥ 6000	22.2	52.2	56.7	61.1	64.4	64.4	67.8	71.1	71.1	71.1	72.2	72.2	73.3	73.3	73.3
≥ 5000	22.2	52.2	56.7	61.1	64.4	64.4	67.8	71.1	71.1	71.1	72.2	72.2	73.3	73.3	73.3
≥ 4500	22.2	54.4	58.9	63.3	66.7	66.7	70.0	73.3	73.3	73.3	74.4	74.4	75.6	75.6	75.6
≥ 4000	22.2	54.4	58.9	63.3	66.7	66.7	70.0	73.3	73.3	73.3	74.4	74.4	75.6	75.6	75.6
≥ 3500	22.2	54.4	60.0	64.4	67.8	67.8	71.1	74.4	74.4	74.4	75.6	75.6	76.7	76.7	76.7
≥ 3000	22.2	54.4	60.0	64.4	67.8	67.8	71.1	74.4	74.4	74.4	75.6	75.6	76.7	76.7	76.7
≥ 2500	22.2	57.8	63.3	67.8	71.1	71.1	75.6	78.9	78.9	78.9	80.0	80.0	81.1	81.1	81.1
≥ 2000	22.2	61.1	66.7	71.1	74.4	74.4	78.9	82.2	82.2	82.2	83.3	83.3	84.4	84.4	84.4
≥ 1800	22.2	61.1	66.7	71.1	74.4	74.4	78.9	82.2	82.2	82.2	83.3	83.3	84.4	84.4	84.4
≥ 1500	22.2	61.1	66.7	71.1	74.4	74.4	78.9	82.2	82.2	82.2	83.3	83.3	84.4	84.4	84.4
≥ 1200	22.2	61.1	67.8	72.2	75.6	75.6	80.0	83.3	83.3	83.3	84.4	84.4	85.6	85.6	85.6
≥ 1000	22.2	61.1	68.9	73.3	76.7	76.7	81.1	84.4	84.4	84.4	85.6	85.6	86.7	86.7	86.7
≥ 900	22.2	61.1	68.9	73.3	76.7	76.7	81.1	84.4	84.4	84.4	85.6	85.6	86.7	86.7	86.7
≥ 800	22.2	61.1	68.9	73.3	76.7	76.7	81.1	84.4	84.4	84.4	85.6	85.6	86.7	86.7	86.7
≥ 700	22.2	61.1	70.0	75.6	78.9	78.9	83.3	86.7	86.7	86.7	87.8	87.8	88.9	88.9	88.9
≥ 600	22.2	61.1	70.0	75.6	78.9	78.9	83.3	86.7	86.7	86.7	87.8	87.8	88.9	88.9	88.9
≥ 500	22.2	61.1	70.0	75.6	78.9	78.9	83.3	86.7	86.7	86.7	87.8	87.8	88.9	88.9	88.9
≥ 400	22.2	61.1	71.1	76.7	80.0	80.0	86.7	90.0	90.0	90.0	91.1	91.1	92.2	92.2	92.2
≥ 300	22.2	61.1	71.1	76.7	80.0	80.0	86.7	90.0	90.0	90.0	91.1	91.1	92.2	92.2	92.2
≥ 200	22.2	61.1	71.1	76.7	80.0	80.0	86.7	90.0	90.0	90.0	91.1	91.1	92.2	92.2	92.2
≥ 100	22.2	61.1	71.1	76.7	80.0	80.0	86.7	90.0	90.0	90.0	91.1	91.1	92.2	92.2	92.2
≥ 0	22.2	61.1	71.1	76.7	80.0	80.0	86.7	90.0	90.0	90.0	91.1	91.1	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS

97

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

62, 1004 ST. N.E.

73-75

552

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

34

HOUSE LIST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	¼	≥ 0
NO CEILING	17.6	32.2	34.4	35.6	37.8	37.8	42.2	47.8	47.8	47.8	50.0	50.0	51.1	51.1	51.1	51.1
IV 20000	17.6	34.4	35.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 18000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 16000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 14000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 12000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 10000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 9000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 8000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 7000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 6000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 5000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 4500	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 4000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 3300	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 3000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 2500	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 2000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 1800	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 1500	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 1200	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 1000	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 900	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 800	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 700	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 600	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 500	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 400	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 300	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 200	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
IV 100	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7
0	17.6	34.4	36.7	37.8	42.2	43.3	47.8	53.3	53.3	54.4	55.6	55.6	56.7	56.7	56.7	56.7

TOTAL NUMBER OF OBSERVATIONS

96

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LINTS FIRST, NJ

STATION NAME

73-00

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	11.3	26.7	28.3	31.7	32.7	34.0	35.0	38.7	39.7	39.7	40.7	41.7	42.7	42.7	43.3	45.0
≥ 20000	13.3	29.3	31.3	33.7	36.0	37.3	39.7	43.7	43.7	45.0	46.3	47.3	49.0	49.0	49.7	51.7
IV 18000	12.7	29.7	31.7	34.0	36.3	37.7	40.0	44.0	44.0	45.3	46.7	47.7	49.3	49.3	50.0	52.0
IV 16000	12.7	29.7	31.7	34.0	36.3	37.7	40.0	44.0	44.0	45.3	46.7	47.7	49.3	49.3	50.0	52.0
IV 14000	12.7	29.7	31.7	34.0	36.3	37.7	40.0	44.0	44.0	45.3	46.7	47.7	49.3	49.3	50.0	52.0
IV 12000	13.0	30.0	32.0	34.3	36.7	38.0	40.3	44.3	44.3	45.7	47.0	48.0	49.7	49.7	50.3	52.3
IV 10000	14.3	32.3	35.0	37.7	40.3	41.7	44.3	48.3	48.7	50.3	51.7	52.7	54.3	54.3	55.0	57.0
IV 9000	14.3	32.3	35.0	37.7	40.3	41.7	44.3	48.3	48.7	50.7	52.0	53.0	54.7	54.7	55.3	57.3
IV 8000	14.7	34.0	37.3	40.0	43.3	44.7	48.0	52.3	52.7	54.7	56.0	57.0	58.7	58.7	59.3	61.3
IV 7000	14.7	35.3	38.7	41.3	44.7	46.3	49.7	54.3	54.7	57.0	58.3	59.3	61.0	61.0	61.7	63.7
IV 6000	14.7	35.3	38.7	41.3	44.7	46.3	49.7	54.3	54.7	57.0	58.3	59.3	61.0	61.0	61.7	63.7
IV 5000	16.0	37.7	41.0	43.7	47.0	48.7	52.0	56.7	57.0	59.3	60.7	61.7	63.3	63.3	64.0	66.0
IV 4500	16.0	39.0	43.3	45.0	49.3	51.0	54.3	59.0	59.3	62.0	63.3	64.3	66.0	66.0	66.7	68.7
IV 4000	16.7	41.0	44.7	47.7	52.3	54.0	57.3	62.0	62.3	65.0	66.3	67.3	69.0	69.0	69.7	71.7
IV 3500	16.7	41.7	46.3	48.7	53.3	55.0	58.7	63.3	63.7	66.3	67.7	68.7	70.3	70.3	71.0	73.0
IV 3000	16.7	42.7	47.3	51.0	55.7	57.7	61.3	66.0	66.3	69.3	70.7	71.7	73.3	73.3	74.0	76.0
IV 2500	17.7	44.0	48.7	52.7	57.7	59.7	63.3	68.0	68.3	71.3	72.7	73.7	75.3	75.3	76.0	78.0
IV 2000	17.7	45.0	50.0	54.0	59.0	61.0	65.3	70.0	70.7	73.3	74.7	75.7	77.3	77.3	78.0	80.0
IV 1800	17.3	45.0	50.0	54.0	59.0	61.0	65.3	70.0	70.3	73.3	74.7	75.7	77.3	77.3	78.0	80.0
IV 1500	17.7	46.3	52.0	56.3	61.3	63.7	68.3	73.0	73.3	76.7	78.0	79.0	80.7	80.7	81.3	83.3
IV 1200	17.7	46.7	52.3	57.0	62.0	64.7	69.3	74.0	74.3	77.7	79.0	80.0	81.7	81.7	82.3	84.3
IV 1000	17.7	46.7	52.3	57.0	62.0	64.7	69.7	74.3	74.7	78.3	79.7	80.7	82.3	82.3	83.0	85.0
IV 900	17.7	46.7	52.3	57.0	62.0	64.7	69.7	74.7	75.0	78.7	80.0	81.0	82.7	82.7	83.3	85.3
IV 800	17.7	47.0	52.7	57.7	62.7	65.3	70.7	75.7	76.0	79.7	81.0	82.0	83.7	83.7	84.3	86.3
IV 700	17.7	47.0	52.7	57.7	62.7	65.3	71.0	76.0	76.3	80.3	81.7	82.7	84.3	84.3	85.0	87.0
IV 600	17.7	47.0	52.7	57.7	63.0	66.0	72.7	78.0	78.3	82.3	83.7	84.7	86.3	86.3	87.0	89.0
IV 500	17.7	47.0	53.7	58.7	64.7	67.7	74.7	80.3	80.7	84.7	86.0	87.0	89.0	89.0	89.7	92.3
IV 400	17.7	47.0	53.7	58.7	65.0	69.0	76.0	82.7	83.0	87.3	89.7	91.0	93.7	93.7	94.3	97.3
IV 300	17.7	47.0	53.7	58.7	65.0	69.0	76.0	82.7	83.0	87.3	89.7	91.0	94.0	94.0	94.3	97.7
IV 200	17.7	47.0	53.7	58.7	65.0	69.0	76.0	82.7	83.0	87.3	89.7	91.0	94.0	94.0	94.3	97.7
IV 100	17.7	47.0	53.7	58.7	65.0	69.0	76.0	82.7	83.0	87.3	89.7	91.0	94.0	94.0	94.3	97.7
IV 0	17.7	47.0	53.7	58.7	65.0	69.0	76.0	82.7	83.0	87.3	89.7	91.0	94.0	94.0	94.3	97.7

TOTAL NUMBER OF OBSERVATIONS 200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAF/00957, NJ

73-02

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 3	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 5/16	≥ 1/8
NO CEILING	13.7	39.0	42.7	44.0	44.7	46.0	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	13.7	43.3	47.3	48.7	49.3	51.0	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	13.7	43.3	47.3	48.7	49.3	51.0	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	13.7	43.3	47.3	48.7	49.3	51.0	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	13.7	43.3	47.3	49.7	49.3	51.0	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	13.7	44.3	49.3	49.7	50.3	52.0	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	20.7	47.0	51.7	53.0	53.7	55.3	56.0	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	21.0	47.3	52.0	53.3	54.0	55.7	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	22.3	51.3	56.3	58.3	59.3	61.3	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	23.3	53.7	59.7	61.0	62.0	64.0	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	27.3	53.7	59.7	61.0	62.0	64.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	28.3	54.7	59.3	61.7	62.7	65.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 4500	24.0	56.0	61.3	63.7	64.7	67.0	68.3	69.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4000	24.0	57.0	62.7	65.0	66.0	68.7	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	24.7	59.3	65.3	67.7	68.7	71.7	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	26.3	62.7	69.0	71.3	72.7	75.7	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	27.0	65.0	71.7	74.0	75.3	78.3	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	27.0	65.3	72.0	74.7	76.0	79.0	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	27.0	66.7	73.3	76.0	77.3	80.3	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	27.7	69.0	76.0	79.0	80.7	84.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	28.0	69.7	76.7	80.0	81.7	85.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	28.0	70.3	79.0	82.7	84.7	88.3	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	28.0	71.3	80.0	84.0	86.0	89.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	28.0	71.7	80.3	84.3	86.7	90.3	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700	28.0	73.0	81.7	86.3	89.0	92.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	28.0	73.3	82.0	87.0	90.0	93.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	28.0	73.3	82.0	87.0	90.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	28.0	73.3	82.0	87.0	90.0	94.0	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	28.0	73.3	82.0	87.0	90.3	94.3	97.3	98.7	98.7	99.0	99.3	99.3	99.3	99.3	99.3
≥ 200	28.0	73.3	82.0	87.0	90.3	94.3	97.3	98.7	98.7	99.3	99.7	99.7	99.7	99.7	99.7
≥ 100	28.0	73.3	82.0	87.0	90.3	94.3	97.3	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0
≥ 0	28.0	73.3	82.0	87.0	90.3	94.3	97.3	98.7	98.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATIONLAKELAND, NJ
STATION NAME73-52
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.7	37.7	39.0	40.0	41.3	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	25.7	42.7	44.3	45.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	25.7	42.7	44.3	45.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 16000	25.7	42.7	44.3	45.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 14000	26.0	43.3	45.0	46.3	48.0	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
IV 12000	26.3	44.3	46.0	47.3	49.0	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 10000	27.0	46.0	48.0	49.7	51.3	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000	27.0	46.0	48.0	49.7	51.3	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 8000	28.0	49.3	51.3	53.0	54.7	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 7000	28.0	49.3	51.3	53.0	54.7	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 6000	29.0	50.7	53.0	54.7	56.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 5000	29.0	50.7	53.0	54.7	56.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 4500	29.0	52.0	54.3	56.0	58.0	58.3	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000	30.3	56.0	58.7	60.3	62.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3500	31.7	60.7	64.3	66.3	68.7	69.0	69.7	69.7	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0
IV 3000	34.7	67.3	71.7	74.0	76.7	77.3	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.0	78.0
IV 2500	37.3	73.3	77.0	80.3	83.0	83.7	84.7	85.0	85.0	85.0	85.0	85.3	85.3	85.3	85.3	85.3
IV 2000	37.3	74.3	79.0	81.3	84.0	84.7	85.7	86.0	86.0	86.0	86.0	86.3	86.3	86.3	86.3	86.3
IV 1800	37.3	74.7	79.7	81.7	84.3	85.0	86.0	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7
IV 1500	37.7	77.0	82.0	85.3	88.7	89.3	90.7	91.3	91.3	91.3	91.3	91.7	91.7	91.7	91.7	91.7
IV 1200	38.7	79.0	84.3	87.7	91.0	91.7	93.3	94.0	94.0	94.0	94.0	94.3	94.3	94.3	94.3	94.3
IV 1000	38.3	80.0	85.3	88.7	92.0	93.0	94.7	95.3	95.3	95.3	95.3	95.7	95.7	95.7	95.7	95.7
IV 900	38.3	80.3	86.0	89.3	92.7	93.7	95.3	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3
IV 800	38.3	80.7	86.3	89.7	93.0	94.3	96.0	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0
IV 700	38.3	80.7	86.3	89.7	93.0	94.3	96.3	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3
IV 600	38.3	80.7	86.3	89.7	93.0	94.3	96.7	97.3	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7
IV 500	38.3	80.7	86.3	89.7	93.0	94.3	97.0	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0
IV 400	38.3	80.7	86.3	89.7	93.0	94.3	97.0	97.7	97.7	97.7	97.7	98.0	98.0	98.0	98.0	98.0
IV 300	38.3	80.7	86.3	89.7	93.3	94.7	97.7	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7
IV 200	38.3	80.7	86.3	89.7	93.3	94.7	97.7	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7
IV 100	38.3	80.7	86.3	89.7	93.3	94.7	97.7	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7
IV 0	38.3	80.7	86.3	89.7	93.3	94.7	97.7	99.0	99.0	99.0	99.0	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAURENCE, NC

STATION NAME

73-82

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	22.3	41.3	42.3	43.7	45.3	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	27.7	49.0	50.3	51.7	53.7	53.7	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	27.7	49.0	50.3	51.7	53.7	53.7	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	27.7	49.0	50.3	51.7	53.7	53.7	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	27.7	49.0	50.3	51.7	53.7	53.7	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	29.0	49.3	50.7	52.0	54.0	54.0	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	29.3	52.7	54.7	56.3	58.3	58.3	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	29.3	53.3	55.3	57.0	59.0	59.0	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	31.3	58.3	60.7	62.7	64.7	64.7	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	31.7	59.3	61.7	63.7	65.0	65.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 6000	31.7	59.3	61.7	63.7	65.0	65.0	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 5000	31.7	60.7	63.7	65.7	68.0	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	31.7	62.3	65.3	67.3	69.7	69.7	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	33.0	66.0	69.0	71.0	73.7	73.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3500	34.7	68.7	71.7	74.7	77.3	77.3	78.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	35.7	73.0	76.3	79.7	83.0	83.0	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2500	36.0	74.3	78.0	81.3	84.7	84.7	86.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	37.3	76.3	80.0	83.3	86.7	86.7	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	37.0	76.7	80.3	83.7	87.0	87.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	37.0	78.3	82.0	86.0	89.7	89.7	92.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	37.0	78.7	82.3	86.3	90.0	90.3	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	37.0	79.0	82.7	86.7	90.3	90.7	93.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	37.0	79.0	82.7	86.7	90.3	90.7	93.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	37.3	79.7	83.7	87.7	91.3	91.7	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	37.3	80.3	84.3	88.3	92.0	92.7	95.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	37.3	80.3	84.3	88.7	92.3	93.0	96.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	37.3	80.3	85.0	89.3	93.3	94.7	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	37.3	80.3	85.0	89.3	93.3	94.7	97.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	37.3	80.3	85.0	89.3	93.3	94.7	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	37.3	80.3	85.0	89.3	93.3	94.7	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	37.3	80.3	85.0	89.3	93.3	94.7	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	37.3	80.3	85.0	89.3	93.3	94.7	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147 M
STATIONLAKELAND, NJ
STATION NAME73-80
YEARSSEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.7	45.3	46.0	47.7	48.7	49.0	51.0	51.0	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	26.7	50.0	51.0	53.0	54.7	55.3	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 18000	26.7	50.0	51.0	53.0	54.7	55.3	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 16000	26.7	50.0	51.0	53.0	54.7	55.3	57.3	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 14000	26.7	50.0	51.0	53.3	55.0	55.7	57.7	58.0	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 12000	26.7	51.0	52.7	54.7	56.3	57.0	59.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	27.7	53.3	55.0	57.7	59.7	60.7	62.7	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 9000	27.7	53.3	55.7	58.3	60.3	61.3	63.3	63.7	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 8000	28.0	58.0	60.7	64.0	66.0	67.3	69.3	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 7000	28.0	58.0	60.7	64.0	66.0	67.3	69.3	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 6000	28.0	58.0	60.7	64.0	66.0	67.3	69.3	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	28.0	59.3	62.0	65.7	67.7	69.0	71.0	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 4500	28.0	60.3	63.0	67.0	69.0	70.3	72.3	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 4000	28.0	60.3	66.3	70.3	73.0	74.3	76.3	77.0	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 3500	28.0	64.0	67.7	71.7	74.3	76.3	78.3	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	28.0	67.0	70.7	75.0	78.0	80.0	82.3	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2500	31.0	68.7	72.7	77.3	80.3	82.3	84.7	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	31.0	69.0	73.0	77.7	81.0	83.0	85.3	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	31.0	69.0	73.0	77.7	81.0	83.0	85.3	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1500	31.0	70.3	74.3	79.3	83.0	85.0	87.3	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200	31.0	70.3	74.3	79.3	83.0	85.0	87.3	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	31.0	71.3	75.7	80.7	84.3	86.3	89.0	90.3	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900	31.0	71.3	75.7	81.0	85.0	87.0	89.7	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	31.0	72.0	76.3	81.7	85.7	88.3	91.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 700	31.0	72.0	76.7	82.0	86.3	89.0	92.0	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 600	31.0	72.0	76.7	82.0	86.7	89.3	92.3	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	31.0	72.7	77.7	83.0	88.0	90.7	93.7	97.0	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	31.0	73.7	78.0	83.3	88.3	91.0	94.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	31.0	73.7	78.0	83.3	88.3	91.0	94.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	31.0	73.7	78.0	83.3	88.3	91.0	94.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	31.0	73.7	78.0	83.3	88.3	91.0	94.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	31.0	73.7	78.0	83.3	88.3	91.0	94.7	98.7	98.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

500

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAKEHURST, NC

77-92

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	21.7	42.7	47.3	48.7	50.3	51.0	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	54.0
≥ 20000	24.7	49.7	54.3	56.7	59.7	59.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	62.3	62.7
IV 18000	24.7	49.7	54.3	56.7	59.7	59.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	62.3	62.7
IV 16000	24.7	49.7	54.3	56.7	59.7	59.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	62.3	62.7
IV 14000	24.7	49.7	54.3	56.7	59.7	59.3	61.0	61.3	61.3	61.3	61.3	61.3	61.3	62.3	62.7
IV 12000	25.0	50.0	55.3	57.7	59.7	60.3	62.0	62.3	62.3	62.3	62.3	62.3	62.3	63.3	63.7
IV 10000	25.7	52.7	58.0	61.3	63.3	64.0	65.7	66.0	66.0	66.0	66.0	66.0	66.0	67.0	67.2
IV 9000	26.7	53.3	58.7	62.0	64.0	64.7	66.3	66.7	66.7	66.7	66.7	66.7	66.7	67.7	68.0
IV 8000	26.3	55.7	62.3	65.7	68.0	69.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	72.3	72.7
IV 7000	26.3	56.7	62.3	65.7	68.0	69.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	72.3	72.7
IV 6000	26.3	56.7	62.3	65.7	68.0	69.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	72.3	72.7
IV 5000	26.7	56.7	62.3	65.7	68.0	69.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	72.3	72.7
IV 4500	27.0	59.3	65.0	69.0	71.3	72.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7	75.7	76.0
IV 4000	27.7	61.3	67.7	72.0	74.3	75.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	79.0	79.3
IV 3500	28.3	62.0	68.3	73.3	75.7	76.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	80.3	80.7
IV 3000	28.7	62.0	70.0	75.7	78.3	79.7	81.7	82.7	82.7	82.7	82.7	82.7	82.7	83.7	84.0
IV 2500	29.3	64.0	71.3	77.0	79.7	81.0	83.0	84.3	84.3	84.3	84.3	84.3	84.3	85.3	85.7
IV 2000	29.3	66.3	73.7	79.3	82.0	83.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	87.7	88.0
IV 1800	29.3	66.3	73.7	79.3	82.0	83.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	87.7	88.0
IV 1500	29.3	66.7	74.7	80.3	83.3	84.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	89.0	89.3
IV 1200	29.3	67.7	75.0	80.7	83.7	85.0	87.0	88.3	88.3	88.3	88.3	88.3	88.3	89.3	89.7
IV 1000	29.3	67.3	76.0	82.3	85.3	86.7	88.7	90.3	90.3	90.3	90.3	90.3	90.3	91.3	91.7
IV 900	29.3	67.3	76.3	82.7	85.0	87.3	89.3	91.0	91.0	91.0	91.0	91.0	91.0	92.0	92.3
IV 800	29.3	67.3	76.7	83.0	86.7	88.7	90.7	92.3	92.3	92.3	92.3	92.3	92.3	93.3	93.7
IV 700	29.3	67.3	76.7	83.0	87.0	89.0	91.0	92.7	92.7	92.7	92.7	92.7	92.7	93.7	94.0
IV 600	29.3	67.3	76.7	83.0	87.0	89.0	91.0	92.7	92.7	92.7	92.7	92.7	92.7	93.7	94.0
IV 500	29.3	67.3	76.7	83.0	87.3	89.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7	95.7	96.0
IV 400	29.3	67.7	77.0	83.7	88.0	90.3	94.0	96.3	96.3	96.7	96.7	96.7	96.7	97.7	98.0
IV 300	29.3	67.7	77.0	83.7	88.3	90.3	94.3	97.0	97.0	97.3	97.3	97.3	97.3	98.3	98.7
IV 200	29.3	67.7	77.0	83.7	88.3	90.3	94.3	97.0	97.0	97.3	97.3	97.3	97.3	98.3	98.7
IV 100	29.3	67.7	77.0	83.7	88.3	90.3	94.3	97.0	97.0	97.7	97.7	97.7	97.7	98.3	98.7
IV 0	29.3	67.7	77.0	83.7	88.3	90.3	94.3	97.0	97.0	97.7	97.7	97.7	97.7	98.3	98.7

TOTAL NUMBER OF OBSERVATIONS 300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAKE FOREST, NC

STATION NAME

73-12

YEAR

500
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	¾	≥ 5/16	≥ ¼
NO CEILING	22.3	42.5	46.0	47.9	48.5	48.4	48.9	46.7	46.7	47.1	47.2	47.4	47.7	47.7	47.8	48.1
IV 20000	22.3	43.4	46.1	47.9	49.8	50.6	52.1	53.3	53.3	53.6	53.9	54.1	54.6	54.6	54.7	55.1
IV 18000	22.3	43.5	46.1	48.0	49.9	50.6	52.2	53.4	53.4	53.7	54.0	54.1	54.7	54.7	54.8	55.1
IV 16000	22.3	43.5	46.1	48.0	49.9	50.6	52.2	53.4	53.4	53.7	54.0	54.1	54.7	54.7	54.8	55.1
IV 14000	22.4	43.5	46.3	48.1	50.1	50.9	52.4	53.6	53.6	53.9	54.2	54.3	54.9	54.9	55.0	55.3
IV 12000	22.7	44.4	47.1	48.9	50.9	51.6	53.2	54.4	54.4	54.7	55.0	55.2	55.7	55.7	55.8	56.1
IV 10000	23.7	47.1	50.2	52.5	54.5	55.3	56.9	58.1	58.2	58.5	59.8	59.3	59.5	59.5	59.6	60.0
IV 9000	23.7	47.3	50.5	52.8	54.9	55.7	57.3	58.6	58.6	59.0	59.3	59.4	60.0	60.0	60.1	60.4
IV 8000	24.1	50.3	54.4	57.0	59.2	60.2	62.0	63.3	63.4	63.8	64.1	64.2	64.8	64.8	64.9	65.3
IV 7000	25.1	51.9	55.5	58.1	60.4	61.4	63.1	64.6	64.6	65.1	65.4	65.5	66.0	66.0	66.1	66.5
IV 6000	25.1	51.4	55.5	58.1	60.4	61.4	63.2	64.6	64.7	65.1	65.4	65.6	66.1	66.1	66.2	66.5
IV 5000	25.5	53.1	56.7	59.4	61.7	62.5	64.6	66.0	66.1	66.5	66.8	67.0	67.5	67.5	67.6	67.9
IV 4500	25.4	54.4	58.2	61.0	63.5	64.6	66.4	67.8	67.9	68.4	68.7	68.8	69.3	69.3	69.4	69.8
IV 4000	25.4	56.8	61.0	63.9	66.6	67.7	69.7	71.2	71.3	71.8	72.2	72.3	72.8	72.8	72.9	73.3
IV 3500	27.1	58.7	63.2	66.5	69.2	70.5	72.5	74.0	74.1	74.6	75.0	75.2	75.7	75.7	75.8	76.1
IV 3000	27.1	61.6	66.6	70.2	73.2	74.5	76.8	78.4	78.4	79.0	79.4	79.6	80.1	80.1	80.2	80.5
IV 2500	28.1	63.3	68.1	72.8	75.9	77.3	79.6	81.3	81.4	81.9	82.3	82.5	83.0	83.0	83.1	83.4
IV 2000	28.3	65.2	70.5	74.2	77.3	78.3	81.2	82.9	83.0	83.5	83.9	84.1	84.6	84.6	84.7	85.1
IV 1800	28.4	65.1	70.8	74.5	77.6	79.1	81.5	83.2	83.3	83.8	84.2	84.4	84.9	84.9	85.0	85.4
IV 1500	28.5	66.1	72.5	76.7	80.1	81.7	84.3	86.1	86.1	86.7	87.1	87.3	87.8	87.8	87.9	88.3
IV 1200	29.4	67.5	73.2	77.5	80.9	82.6	85.3	87.1	87.1	87.7	88.1	88.3	88.8	88.8	88.9	89.3
IV 1000	29.7	68.1	74.2	78.7	82.2	83.9	86.8	88.3	88.9	89.6	90.0	90.1	90.6	90.6	90.7	91.1
IV 900	29.7	68.2	74.6	79.1	82.7	84.4	87.3	89.4	89.4	90.1	90.5	90.7	91.2	91.2	91.3	91.6
IV 800	29.8	68.6	75.1	79.7	83.3	85.0	88.4	90.5	90.6	91.2	91.6	91.8	92.3	92.3	92.4	92.7
IV 700	29.9	68.9	75.5	80.3	84.1	85.2	89.4	91.6	91.6	92.3	92.7	92.9	93.4	93.4	93.5	93.8
IV 600	29.8	69.0	75.5	80.4	84.4	86.6	90.1	92.5	92.6	93.3	93.7	93.9	94.3	94.3	94.4	94.8
IV 500	29.8	69.1	75.6	80.8	85.0	87.3	91.1	93.9	93.9	94.8	95.2	95.3	95.9	95.9	96.0	96.4
IV 400	29.8	69.2	75.1	81.0	85.3	87.5	91.9	95.0	95.0	96.0	96.5	96.7	97.3	97.3	97.4	97.9
IV 300	29.8	69.2	76.1	81.1	85.5	88.0	92.1	95.5	95.5	96.6	97.2	97.4	98.1	98.1	98.2	98.7
IV 200	29.8	69.2	76.1	81.1	85.5	88.0	92.2	95.6	95.6	96.7	97.4	97.6	98.5	98.5	98.6	99.1
IV 100	29.4	69.2	76.1	81.1	85.5	88.0	92.2	95.6	95.6	96.9	97.6	97.8	98.7	98.8	99.0	99.7
IV 0	29.5	69.2	76.1	81.1	85.5	88.0	92.2	95.6	95.6	96.9	97.6	97.8	98.7	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

147

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7 STATION NAME LAKE LOST, NC 12-75 YEARS MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

63
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING	29.7	53.3	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4	63.4	63.4	65.6	66.7
≥ 20000	29.7	53.3	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4	63.4	63.4	65.6	66.7
IV 18000	29.7	53.3	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4	63.4	63.4	65.6	66.7
IV 16000	29.7	53.3	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4	63.4	63.4	65.6	66.7
IV 14000	29.7	53.3	54.8	54.8	54.8	55.9	58.1	61.3	61.3	62.4	63.4	63.4	63.4	63.4	65.6	66.7
IV 12000	29.7	53.3	54.8	54.8	54.8	55.9	58.1	60.2	63.4	63.4	64.5	65.6	65.6	65.6	67.7	68.8
IV 10000	31.7	61.3	62.4	62.4	63.4	64.5	66.7	69.9	69.9	71.0	72.0	72.0	72.0	72.0	74.2	75.3
IV 9000	31.7	61.3	62.4	62.4	63.4	64.5	66.7	69.9	69.9	71.0	72.0	72.0	72.0	72.0	74.2	75.3
IV 8000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 7000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 6000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 5000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 4500	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 4000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 3500	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 3000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 2500	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 2000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 1800	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 1500	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 1200	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 1000	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 900	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 800	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 700	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 600	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 500	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 400	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 300	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 200	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 100	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7
IV 0	33.8	64.5	65.6	65.6	67.7	69.9	72.0	75.3	75.3	76.3	77.4	77.4	77.4	77.4	79.6	80.7

TOTAL NUMBER OF OBSERVATIONS 93

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 17 STATION NAME 73-75 YEARS 607 NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.5	49.5	47.5	53.8	55.9	55.9	54.7	47.0	57.7	61.3	61.3	61.3	62.4	62.4	63.4	64.5
≥ 20000	50.0	51.5	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	65.6	65.6	66.7	67.7
IV 18000	50.0	51.5	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	65.6	65.6	66.7	67.7
IV 16000	50.0	51.5	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	65.6	65.6	66.7	67.7
IV 14000	50.0	51.5	52.7	57.0	59.1	59.1	59.1	60.2	60.2	64.5	64.5	64.5	65.6	65.6	66.7	67.7
IV 12000	50.0	52.7	54.9	59.1	61.3	61.3	61.3	62.4	62.4	66.7	66.7	66.7	67.7	67.7	68.8	69.9
IV 10000	50.0	55.9	58.1	62.4	64.5	64.5	64.5	65.6	65.6	69.9	69.9	69.9	71.0	71.0	72.1	73.1
IV 9000	50.0	57.0	59.1	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 8000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 7000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 6000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 5000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 4500	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 4000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 3500	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 3000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 2500	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 2000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 1800	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 1500	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 1200	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 1000	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 900	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 800	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 700	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 600	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 500	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 400	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 300	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 200	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 100	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2
IV 0	50.0	58.1	60.2	63.4	65.6	65.6	65.6	66.7	66.7	71.0	71.0	71.0	72.1	72.1	73.1	74.2

TOTAL NUMBER OF OBSERVATIONS 63

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 147 STATION NAME 1315 807, MO YEARS 1967 MONTH 17

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	11.1	33.3	33.3	39.1	47.4	53.3	47.6	47.9	47.9	45.9	49.2	49.2	49.5	45.9	57.5	51.1
≥ 20000	11.4	36.5	41.1	42.4	43.7	46.6	49.3	51.1	51.1	52.4	52.3	52.3	53.1	53.4	54.4	50.4
≥ 18000	11.4	36.5	41.1	42.4	43.7	46.6	49.3	51.1	51.1	52.4	52.3	52.3	53.1	53.4	54.4	50.4
≥ 16000	11.4	36.5	41.1	42.4	43.7	46.6	49.3	51.1	51.1	52.4	52.3	52.3	53.1	53.4	54.4	50.4
≥ 14000	11.4	36.5	41.1	42.4	43.7	46.6	49.3	51.1	51.1	52.4	52.3	52.3	53.1	53.4	54.4	50.4
≥ 12000	11.4	36.5	41.1	42.4	43.7	46.6	49.3	51.1	51.1	52.4	52.3	52.3	53.1	53.4	54.4	50.4
≥ 10000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 9000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 8000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 7000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 6000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 5000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 4500	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 4000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 3500	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 3000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 2500	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 2000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 1800	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 1500	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 1200	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 1000	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 900	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 800	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 700	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 600	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 500	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 400	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 300	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 200	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 100	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0
≥ 0	11.4	41.0	45.9	47.2	49.2	52.1	55.7	57.3	57.3	55.6	59.0	59.0	59.3	59.6	60.6	61.0

TOTAL NUMBER OF OBSERVATIONS 307

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	92.4	84.3	74.7	60.7	50.0	40.0	30.0	20.0	10.0	5.0	2.0	1.0	0.5	0.2	0.1
≥ 20000	100.0	48.7	57.3	55.5	55.5	56.3	56.9	56.8	55.7	55.5	56.4	56.9	56.9	56.7	56.8	56.8
IV 18000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 16000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 14000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 12000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 10000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 9000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 8000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 7000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 6000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 5000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 4500	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 4000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 3500	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 3000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 2500	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 2000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 1800	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 1500	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 1200	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 1000	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 900	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 800	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 700	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 600	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 500	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 400	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 300	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 200	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 100	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9
IV 0	100.0	48.7	57.3	55.5	56.5	56.9	56.9	56.8	56.9	56.5	56.9	56.9	56.9	56.9	56.9	56.9

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION NAME STATION YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

13
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	41.7	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 18000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 16000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 14000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 12000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 10000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 9000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 8000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 7000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 6000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 5000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4500	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 4000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 3500	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 3000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2500	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 2000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1800	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1500	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1200	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 1000	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 900	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 800	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 700	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 600	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 500	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 400	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 300	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 200	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 100	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 0	41.7	41.7	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

L. A. H. W. R. T. 4.0

11-42

CCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)18
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.0	48.1	47.1	48.4	44.4	48.5	40.4	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
≥ 20000	50.7	56.2	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 18000	51.7	56.2	57.1	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 16000	51.7	57.1	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000	51.7	57.1	57.4	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	51.7	57.7	57.1	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 10000	53.4	61.3	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	53.4	61.7	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	70.1	65.2	65.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	70.1	66.5	66.8	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	70.1	66.5	66.8	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 5000	71.7	67.7	68.4	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4500	71.7	71.3	71.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 4000	71.7	76.5	77.4	76.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 3500	45.0	61.0	61.6	62.9	63.6	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000	46.7	63.2	64.2	65.2	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500	47.7	65.5	66.5	67.1	68.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 2000	48.1	66.1	67.1	67.4	69.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1800	48.1	66.1	67.1	67.4	69.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1500	48.1	67.4	68.4	69.7	71.3	72.9	73.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1200	48.1	66.1	69.7	71.3	71.9	73.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 1000	48.1	68.7	69.7	71.9	72.6	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 900	48.4	69.8	70.0	72.3	72.9	74.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 800	48.4	69.8	70.0	72.3	72.9	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 700	48.4	69.7	70.7	73.2	73.9	75.8	77.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 600	48.4	69.7	71.7	73.6	74.2	76.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 500	48.4	69.7	71.3	73.9	74.5	76.5	77.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 400	48.4	69.7	71.3	73.9	74.8	76.8	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 300	48.4	69.7	71.3	73.9	74.8	76.8	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 200	48.4	69.7	71.3	73.9	74.8	76.8	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 100	48.4	69.7	71.3	73.9	74.8	76.8	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 0	48.4	69.7	71.3	73.9	74.8	76.8	78.1	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7

TOTAL NUMBER OF OBSERVATIONS

316

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7

LAKEHURST, NJ

1957

1957

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	57.1	52.4	53.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	24.4	55.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 18000	24.4	59.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	24.4	59.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	24.4	59.7	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	24.7	59.7	61.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 10000	32.7	62.3	64.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 9000	32.3	62.3	64.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 8000	32.7	68.4	70.0	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 7000	32.3	69.7	70.7	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	33.4	70.0	71.5	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 5000	34.2	71.3	72.9	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 4500	34.2	72.9	74.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4000	36.1	77.1	78.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 3500	36.1	79.4	81.3	84.2	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	36.4	80.7	82.9	85.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 2500	37.4	82.3	84.8	88.1	89.0	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000	37.4	82.9	85.5	88.7	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1800	37.4	83.6	86.1	89.4	90.7	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1500	37.7	84.2	87.4	90.7	91.6	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1200	39.7	85.2	87.7	91.0	91.9	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1000	39.7	85.2	87.7	91.3	92.3	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	39.7	85.2	87.7	91.3	92.6	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 800	39.7	85.2	87.7	91.3	92.6	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	39.7	85.3	88.4	92.3	93.6	94.2	94.5	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	39.7	85.8	88.4	92.6	94.5	95.5	95.8	96.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8
IV 500	39.7	85.8	89.4	92.6	95.2	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	39.7	85.8	89.4	92.6	95.2	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	39.7	85.8	89.4	93.2	95.8	96.8	97.4	98.1	98.1	98.8	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	39.7	85.8	89.4	93.2	96.1	97.1	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	39.7	85.8	89.4	93.2	96.1	97.1	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	39.7	85.8	89.4	93.2	96.1	97.1	97.7	98.4	98.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147.0

LAKEHURST, NJ

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	56.4	58.7	51.6	53.2	55.7	55.5	56.1	54.1	56.1	56.1	56.1	56.1	56.5	56.5	56.5	56.5
≥ 20000	57.4	58.4	59.4	61.0	62.9	63.0	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 18000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 16000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 14000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 12000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 10000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 9000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 8000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 7000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 6000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 5000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 4500	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 4000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 3500	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 3000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 2500	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 2000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 1800	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 1500	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 1200	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 1000	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 900	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 800	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 700	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 600	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 500	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 400	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 300	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 200	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 100	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5
≥ 0	57.4	58.4	59.4	61.0	62.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	64.2	64.2	64.2	64.5

TOTAL NUMBER OF OBSERVATIONS

310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LANTHORNT, NC

11-57

JCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ ¼	≥ 0
NO CEILING	22.7	45.9	47.3	47.5	49.5	50.1	50.8	51.2	51.2	51.5	51.6	51.6	51.9	51.6	52.1	52.4
≥ 20000	24.7	51.8	53.7	55.1	55.9	56.5	57.2	57.6	57.6	58.0	58.1	58.1	58.3	58.3	58.6	58.9
≥ 18000	24.9	51.9	53.7	55.1	55.9	56.5	57.2	57.6	57.6	58.0	58.1	58.1	58.3	58.3	58.6	58.9
≥ 16000	24.9	51.9	53.7	55.2	56.0	56.5	57.2	57.6	57.6	58.1	58.2	58.2	58.3	58.4	58.6	58.9
≥ 14000	24.9	51.9	53.7	55.2	56.0	56.5	57.3	57.7	57.7	58.1	58.2	58.2	58.4	58.4	58.7	59.0
≥ 12000	25.2	52.9	54.3	56.3	57.1	57.7	58.4	58.7	58.7	59.2	59.3	59.3	59.4	59.5	59.8	60.1
≥ 10000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 9000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 8000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 7000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 6000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 5000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 4500	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 4000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 3500	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 3000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 2500	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 2000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 1800	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 1500	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 1200	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 1000	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 900	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 800	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 700	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 600	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 500	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 400	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 300	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 200	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 100	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9
≥ 0	25.4	53.1	53.2	54.6	55.6	56.7	57.1	57.5	57.5	58.0	58.0	58.0	58.3	58.3	58.6	58.9

TOTAL NUMBER OF OBSERVATIONS

2043

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAKEHURST, NJ

STATION NAME

73-75

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.4	47.3	69.9	69.9	63.7	48.9	48.9	61.1	61.1	51.1	51.1	51.1	51.1	51.1	51.1	57.2
≥ 20000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 18000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 16000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 14000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 12000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 10000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 9000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 8000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 7000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 6000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 5000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 4500	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 4000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 3500	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 3000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 2500	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 2000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 1800	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 1500	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 1200	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 1000	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 900	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 800	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 700	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 600	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 500	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 400	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 300	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 200	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 100	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7
≥ 0	24.7	52.2	63.3	63.3	63.3	63.3	57.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	56.7

TOTAL NUMBER OF OBSERVATIONS

50

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1477
STATION

LAKE FOREST, NJ

STATION NAME

73-75

YEARS

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

24

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓/16	≥ 0
NO CEILING	61.1	55.6	54.7	57.3	67.0	80.0	80.0	80.0	80.0	80.0	61.1	61.1	61.1	61.1	63.3
≥ 20000	61.1	56.7	57.8	56.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2	62.2	64.4
≥ 18000	61.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2	62.2	64.4
≥ 16000	61.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2	62.2	64.4
≥ 14000	61.1	56.7	57.8	58.9	61.1	61.1	61.1	61.1	61.1	61.1	62.2	62.2	62.2	62.2	64.4
≥ 12000	61.1	56.7	56.9	60.0	62.2	62.2	62.2	62.2	62.2	62.2	63.3	63.3	63.3	63.3	65.6
≥ 10000	62.2	60.0	62.2	63.3	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7	66.7	68.9
≥ 9000	62.2	60.0	62.2	63.3	65.6	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7	66.7	68.9
≥ 8000	66.7	66.7	70.0	71.1	73.3	73.3	73.3	73.3	73.3	73.3	74.4	74.4	74.4	74.4	76.7
≥ 7000	66.7	66.7	70.0	71.1	73.3	73.3	73.3	73.3	73.3	73.3	74.4	74.4	74.4	74.4	76.7
≥ 6000	66.7	66.7	70.0	71.1	73.3	73.3	73.3	73.3	73.3	73.3	74.4	74.4	74.4	74.4	76.7
≥ 5000	66.7	68.9	72.2	73.3	75.6	75.6	75.6	75.6	75.6	75.6	76.7	76.7	76.7	76.7	78.9
≥ 4500	66.7	71.1	74.4	75.6	77.8	77.8	77.8	77.8	77.8	77.8	78.9	78.9	78.9	78.9	81.1
≥ 4000	66.7	72.2	75.6	75.7	78.9	78.9	78.9	78.9	78.9	78.9	80.0	80.0	80.0	80.0	82.2
≥ 3500	67.8	74.4	78.9	80.0	82.2	82.2	82.2	82.2	82.2	82.2	83.3	83.3	83.3	83.3	85.6
≥ 3000	67.8	75.6	80.0	81.1	83.3	83.3	83.3	83.3	83.3	83.3	84.4	84.4	84.4	84.4	86.7
≥ 2500	67.8	75.6	80.0	81.1	83.3	83.3	83.3	83.3	83.3	83.3	84.4	84.4	84.4	84.4	86.7
≥ 2000	68.9	77.8	82.2	83.3	85.6	85.6	85.6	85.6	85.6	85.6	86.7	86.7	86.7	86.7	88.9
≥ 1800	68.9	77.8	82.2	83.3	85.6	85.6	85.6	85.6	85.6	85.6	86.7	86.7	86.7	86.7	88.9
≥ 1500	68.9	78.9	83.3	84.4	86.7	86.7	86.7	86.7	86.7	86.7	87.8	87.8	87.8	87.8	90.0
≥ 1200	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 1000	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 900	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 800	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 700	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 600	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 500	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 400	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 300	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 200	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 100	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1
≥ 0	68.9	78.9	84.4	85.6	87.8	87.8	87.8	87.8	87.8	87.8	88.9	88.9	88.9	88.9	91.1

TOTAL NUMBER OF OBSERVATIONS

97

DIRNAVOCEANMET

SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAKEHURST, NJ

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	13.3	34.7	37.0	38.3	40.0	40.3	41.3	42.0	42.0	42.3	42.3	42.3	43.0	43.0	44.7
≥ 20000	14.7	39.3	41.7	42.7	44.7	45.0	46.0	46.7	46.7	47.3	47.3	47.3	48.0	48.0	50.0
≥ 18000	14.3	39.3	41.7	42.7	44.7	45.0	46.0	46.7	46.7	47.3	47.3	47.3	48.0	48.0	50.0
≥ 16000	14.3	39.3	41.7	42.7	44.7	45.0	46.0	46.7	46.7	47.3	47.3	47.3	48.0	48.0	50.0
≥ 14000	14.3	39.3	41.7	42.7	44.7	45.0	46.0	46.7	46.7	47.3	47.3	47.3	48.0	48.0	50.0
≥ 12000	14.3	40.3	42.7	43.7	45.7	46.0	47.0	47.7	47.7	48.3	48.3	48.3	49.0	49.0	51.3
≥ 10000	15.7	43.3	45.3	47.7	49.7	50.0	51.7	52.7	52.7	53.3	53.3	53.3	54.0	54.0	56.7
≥ 9000	15.7	43.7	45.7	48.0	50.0	50.3	52.0	53.0	53.0	53.7	53.7	53.7	54.3	54.3	57.0
≥ 8000	14.7	48.0	50.0	53.3	55.7	56.7	59.7	59.7	59.7	60.3	60.3	60.3	61.0	61.0	63.7
≥ 7000	17.7	49.3	53.3	55.0	57.3	58.3	60.3	61.3	61.3	62.0	62.0	62.0	62.7	62.7	65.7
≥ 6000	17.7	49.3	53.3	55.0	57.3	58.3	60.3	61.3	61.3	62.0	62.0	62.0	62.7	62.7	65.7
≥ 5000	17.7	51.3	55.3	57.0	59.3	60.3	62.3	63.3	63.3	64.0	64.0	64.0	64.7	64.7	67.7
≥ 4500	18.3	55.3	57.7	61.3	63.7	64.7	66.7	67.7	67.7	68.3	68.3	68.3	69.0	69.0	72.0
≥ 4000	18.3	57.3	61.7	63.7	66.7	67.7	69.7	70.7	70.7	71.3	71.3	71.3	72.0	72.0	75.0
≥ 3500	18.3	57.7	62.7	64.7	67.7	68.7	71.0	72.0	72.0	72.7	72.7	72.7	73.3	73.3	76.3
≥ 3000	18.3	58.7	64.0	66.0	69.3	70.3	73.0	74.0	74.0	74.7	74.7	74.7	75.3	75.3	78.3
≥ 2500	18.3	59.3	65.0	67.0	70.3	71.3	74.0	75.0	75.0	75.7	75.7	75.7	76.3	76.3	79.3
≥ 2000	18.3	60.7	66.3	68.7	72.3	73.3	76.0	77.0	77.0	77.7	77.7	77.7	78.3	78.3	81.3
≥ 1800	18.7	61.0	66.7	69.0	72.7	73.7	76.3	77.3	77.7	78.0	78.0	78.0	78.7	78.7	81.7
≥ 1500	18.7	61.7	68.0	70.3	74.3	75.3	78.0	79.0	79.0	79.7	79.7	79.7	80.7	80.7	83.7
≥ 1200	18.7	62.0	68.3	71.0	75.0	76.0	79.0	80.0	80.0	80.7	80.7	80.7	81.7	81.7	84.7
≥ 1000	18.7	62.3	69.0	72.0	76.3	77.3	80.3	81.7	81.7	82.3	82.3	82.3	83.3	83.3	86.3
≥ 900	18.7	62.3	69.0	72.0	76.3	77.3	80.3	81.7	81.7	82.3	82.3	82.3	83.3	83.3	86.3
≥ 800	18.7	62.7	69.7	72.3	77.0	78.0	81.0	82.3	82.3	83.0	83.0	83.0	84.0	84.0	87.0
≥ 700	18.7	63.0	69.7	72.7	77.7	79.0	82.7	84.0	84.0	84.7	84.7	84.7	85.7	85.7	88.7
≥ 600	18.7	63.0	70.0	73.0	78.0	79.3	83.0	85.0	85.0	85.7	85.7	85.7	86.7	86.7	89.7
≥ 500	18.7	63.0	70.0	73.3	78.2	80.3	84.0	86.3	86.3	87.3	87.3	87.3	88.3	88.3	91.3
≥ 400	18.7	63.0	70.0	74.0	79.0	81.0	84.7	87.3	87.3	88.3	88.3	88.3	89.7	89.7	92.7
≥ 300	18.7	63.0	70.0	74.3	79.7	82.0	85.7	86.7	88.7	90.0	90.0	90.0	92.3	92.3	95.3
≥ 200	18.7	63.0	70.0	74.3	79.7	82.0	85.7	86.7	88.7	90.0	90.0	90.0	92.3	92.3	95.3
≥ 100	18.7	63.0	70.0	74.3	79.7	82.0	85.7	86.7	88.7	90.0	90.0	90.0	92.3	92.3	95.3
≥ 0	18.7	63.0	70.0	74.3	79.7	82.0	85.7	86.7	88.7	90.0	90.0	90.0	92.3	92.3	95.3

TOTAL NUMBER OF OBSERVATIONS

700

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LABET, RST, 100

STATION NAME

77-92

YEARS

NOM
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	22.7	41.7	44.7	45.3	45.7	45.7	45.7	45.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 20000	23.0	45.7	46.0	50.0	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 18000	23.7	45.7	46.0	50.0	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 16000	23.7	45.7	46.0	50.0	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 14000	23.7	45.7	46.0	50.0	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	23.7	46.7	50.0	51.0	51.3	51.3	51.3	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000	24.3	46.7	50.0	54.3	54.7	54.7	54.7	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 9000	24.7	50.7	54.0	55.3	55.7	55.7	55.7	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000	26.3	55.3	57.0	60.3	61.3	61.7	61.7	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 7000	27.0	56.3	57.0	61.3	62.7	62.7	62.7	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 6000	27.7	56.3	61.3	61.7	62.7	63.0	63.0	63.3	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 5000	27.7	60.3	64.0	65.3	66.3	66.7	66.7	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 4500	28.7	63.3	67.7	69.0	70.0	70.3	70.3	71.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	29.7	66.7	71.7	73.0	74.0	74.3	74.3	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 3500	30.3	67.3	72.7	74.0	75.3	75.7	75.7	76.3	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	31.3	69.7	75.0	76.7	78.0	78.3	78.3	79.0	79.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 2500	31.7	71.0	76.7	78.3	79.7	80.0	80.3	81.0	81.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	31.7	71.0	76.7	78.7	80.0	80.7	81.0	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1800	31.7	71.0	76.7	78.7	80.0	80.7	81.0	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 1500	31.7	73.0	78.7	80.7	82.0	82.7	83.0	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1200	31.7	74.0	79.7	81.7	83.0	83.7	84.0	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1000	31.7	74.7	81.7	82.7	84.0	85.0	85.3	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 900	31.7	75.7	81.7	84.0	85.3	86.7	87.3	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	31.7	75.7	82.0	84.3	85.7	87.0	88.0	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 700	31.7	76.3	82.7	85.3	88.0	89.3	91.0	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 600	31.7	76.0	82.7	85.3	89.3	89.7	91.3	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 500	31.7	76.0	82.7	85.7	88.7	90.0	92.0	93.3	93.3	93.7	94.0	94.0	94.0	94.0	94.0	94.0
IV 400	31.7	76.0	82.7	85.7	88.7	90.0	92.3	94.3	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	31.7	76.0	82.7	85.7	88.7	90.0	92.3	95.3	95.3	96.3	96.7	96.7	97.3	97.3	97.7	97.7
IV 200	31.7	76.0	82.7	85.7	88.7	90.0	92.3	95.7	95.7	97.0	97.3	97.3	98.0	98.0	99.3	99.3
IV 100	31.7	76.0	82.7	85.7	88.7	90.0	92.3	95.7	95.7	97.0	97.3	97.3	98.3	98.3	99.3	99.3
IV 0	31.7	76.0	82.7	85.7	88.7	90.0	92.3	95.7	95.7	97.0	97.3	97.3	98.3	98.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147 LAKESIDE, NC 70-12 NOV 13

STATION STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.3	42.3	41.3	41.7	41.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	44.7	46.7	47.7	48.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 18000	24.7	46.7	47.7	48.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 16000	24.7	46.7	47.7	48.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 14000	24.7	46.7	47.7	48.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 12000	24.7	47.3	48.3	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 10000	24.7	50.3	51.7	52.7	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 9000	24.7	50.3	51.7	52.7	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 8000	24.7	55.7	57.0	58.0	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 7000	24.7	57.0	58.3	59.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	24.7	57.0	58.3	59.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 5000	24.7	58.7	60.7	61.0	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 4500	24.7	60.7	61.7	62.7	64.7	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4000	24.7	63.7	64.3	65.7	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3500	34.7	68.7	71.3	71.3	73.3	73.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3000	37.7	73.7	74.7	75.0	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 2500	37.7	77.3	78.7	80.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2000	37.7	78.7	80.7	81.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1800	37.7	79.3	80.7	82.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1500	37.7	81.0	82.7	84.0	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	37.7	82.3	84.7	85.3	87.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	37.7	83.3	85.7	87.0	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 900	37.7	83.3	85.3	87.0	89.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 800	37.7	84.0	86.0	88.0	91.3	91.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 700	37.7	85.3	87.7	89.7	93.3	93.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	37.7	85.3	87.7	89.7	93.3	93.3	95.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500	37.7	85.3	88.3	90.3	94.0	94.3	96.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 400	37.7	85.3	88.3	90.3	94.0	94.3	97.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	37.7	85.3	88.3	90.7	94.3	94.7	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	37.7	85.3	88.3	90.7	94.3	94.7	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 100	37.7	85.3	88.3	90.7	94.3	94.7	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 0	37.7	85.3	88.3	90.7	94.3	94.7	97.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 210

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAUREL ST. NJ

STATION NAME

10-00

YEARS

NO. 1
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	45.3	45.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 20000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 16000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 14000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 12000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 10000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 9000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 8000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 7000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 6000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 5000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 4500	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 4000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 3500	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 3000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 2500	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 2000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 1800	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 1500	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 1200	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 1000	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 900	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 800	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 700	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 600	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 500	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 400	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 300	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 200	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 100	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1977
STATION

LAKEHURST, NJ

STATION NAME

77-78

YEARS

N 17
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)18
HOURS (15 Z)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	54.3	44.3	47.7	48.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 20000	54.3	54.3	55.7	56.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 18000	54.3	54.3	55.7	56.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 16000	54.3	54.3	55.7	56.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 14000	54.3	54.3	55.7	56.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	54.3	55.3	56.7	57.3	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 10000	58.3	58.7	61.0	61.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 9000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 8000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 7000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 5000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4500	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3500	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 3000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2500	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1800	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1500	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1200	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1000	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 900	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 800	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 700	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 600	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 500	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 400	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 300	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 200	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 100	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 0	58.3	59.3	61.7	62.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3

TOTAL NUMBER OF OBSERVATIONS

270

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

1-7
STATION

LA. FM 151, 12

STATION NAME

YEARS

MO
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS (LAST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 18000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 16000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 14000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 12000	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 10000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 7000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 6000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 5000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4500	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 4000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 3500	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 3000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2500	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 1800	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 1500	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 1200	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 1000	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 900	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 800	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 700	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 600	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 500	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 400	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 300	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 200	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 100	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3

TOTAL NUMBER OF OBSERVATIONS

370

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

17

LAUREL, NC

77-72

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	47.1	43.6	44.7	47.4	45.3	46.2	47.4	47.7	47.7	46.8	46.4	46.2	47.7	47.1	47.1
≥ 20000	5.1	45.4	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 18000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 16000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 14000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 12000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 10000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 9000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 8000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 7000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 6000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 5000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 4500	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 4000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 3500	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 3000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 2500	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 2000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 1800	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 1500	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 1200	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 1000	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 900	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 800	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 700	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 600	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 500	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 400	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 300	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 200	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 100	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7
IV 0	45.4	44.2	50.6	51.4	52.1	52.3	52.5	52.7	52.7	52.9	53.3	53.3	53.1	53.1	53.7

TOTAL NUMBER OF OBSERVATIONS

1000

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

167

LAUREL, NC

1975

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	44.4	43.7	47.1	47.1	43.7	43.7	43.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.7
≥ 20000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 18000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 16000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 14000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 12000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 10000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 9000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 8000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 7000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 6000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 5000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 4500	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 4000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 3500	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 3000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 2500	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 2000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 1800	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 1500	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 1200	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 1000	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 900	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 800	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 700	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 600	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 500	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 400	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 300	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 200	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 100	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0
IV 0	47.7	48.2	49.3	48.9	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	50.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAFAYETTE, LA

1975

017

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L E T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	44.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	43.5
≥ 20000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	48.4
IV 18000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	49.4
IV 16000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	49.4
IV 14000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	49.4
IV 12000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	49.4
IV 10000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	56.1
IV 9000	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	56.1
IV 8000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 7000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 5000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 4500	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	67.1
IV 4000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	67.1
IV 3500	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3000	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 2500	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	84.7
IV 2000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	87.1
IV 1800	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	87.1
IV 1500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1200	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 900	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 800	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 700	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 600	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 500	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 400	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 300	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 200	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 100	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 107 STATION NAME LANTANA, FLA. YEARS 1957 MONTH 07

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	14.5	30.7	41.6	41.6	43.2	43.6	43.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 20000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 18000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 16000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 14000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 12000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 9000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 8000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 7000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 6000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 5000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 4500	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 4000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 3500	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 3000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 2500	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 2000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 1800	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 1500	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 1200	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 1000	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 900	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 800	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 700	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 600	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 500	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 400	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 300	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 200	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 100	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 0	14.5	41.6	43.2	43.2	46.2	47.1	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

197

LAKE FORST, NC

72-7

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)10
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ 0
NO CEILING	39.7	39.7	39.4	39.4	39.4	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	45.2	45.2	45.2	45.2	45.2	46.1	45.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 18000	45.5	45.5	45.5	45.5	45.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 16000	45.5	45.5	45.5	45.5	45.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000	45.5	45.5	45.5	45.5	45.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 12000	45.5	45.5	45.5	45.5	45.5	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	49.7	49.7	50.7	51.0	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000	49.7	49.7	51.0	51.9	52.3	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000	56.1	56.1	56.1	56.7	56.7	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 7000	56.1	56.1	56.1	56.7	56.7	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 6000	56.1	56.1	56.1	56.7	56.7	56.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 5000	60.7	60.7	62.9	63.6	63.9	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 4500	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 4000	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3500	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 3000	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 2500	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 2000	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1800	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1500	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1200	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1000	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 900	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 800	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 700	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 600	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 500	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 400	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 300	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 200	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 100	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 0	60.7	60.7	64.8	65.5	65.8	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8

TOTAL NUMBER OF OBSERVATIONS

10

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

STATION 147 STATION NAME LAKE CHARLOTTE, NC YEARS 12-57 MONTH 1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 17

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 18000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 16000	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 14000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 8000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 7000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 6000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 5000	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 4500	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 3500	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1500	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1200	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 1000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 900	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 800	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 700	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 600	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 500	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 400	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 310

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

347

LAWRENCE, NC

77-62

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)15
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 18000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 16000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 14000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 12000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 10000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 9000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 8000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 7000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 6000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 5000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 4500	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 4000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 3500	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 3000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 2500	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 2000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 1800	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 1500	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 1200	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 1000	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 900	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 800	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 700	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 600	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 500	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 400	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 300	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 200	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 100	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 0	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4

TOTAL NUMBER OF OBSERVATIONS

111

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147 STATION 14-000000 STATION NAME 12-00 YEARS 2FC MONTH 15 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3/16	≥ 1/8	≥ 0
NO CEILING	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 20000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 18000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 16000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 14000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 12000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 9000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 8000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 7000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 6000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 5000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 4500	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 4000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 3500	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 3000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 2500	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 2000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 1800	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 1500	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 1200	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 1000	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 900	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 800	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 700	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 600	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 500	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 400	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 300	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 200	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 100	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 0	27.2	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5

TOTAL NUMBER OF OBSERVATIONS

309

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

LAKE LURST, NC

STATION NAME

73-30

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)72
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	45.1	45.7	45.4	46.4	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	47.1	47.7
≥ 20000	41.7	51.3	52.7	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3
≥ 18000	41.3	51.3	52.7	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3
≥ 16000	41.3	51.3	52.7	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3
≥ 14000	41.3	51.3	52.7	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3
≥ 12000	41.3	51.3	52.7	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.3	53.3
≥ 10000	34.2	55.3	56.3	56.9	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.6	57.6
≥ 9000	34.2	56.3	56.9	57.6	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.2	58.2
≥ 8000	35.7	61.7	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.2	63.2
≥ 7000	36.7	62.2	62.8	63.5	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.1	64.1
≥ 6000	36.7	62.8	63.5	64.1	64.1	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.8	64.8
≥ 5000	36.7	65.1	66.1	66.8	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.4	67.4
≥ 4500	36.5	67.4	68.4	69.1	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.7	69.7
≥ 4000	36.8	70.7	71.7	72.4	72.4	72.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.4	73.4
≥ 3500	37.1	71.4	72.4	73.0	73.0	73.4	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.3	74.3
≥ 3000	37.1	74.0	75.7	76.3	76.3	76.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.0	78.0
≥ 2500	42.4	76.0	77.0	78.6	78.6	79.0	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.3	80.3
≥ 2000	42.4	76.0	77.6	81.3	81.3	81.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9
≥ 1800	42.4	76.0	81.6	81.3	81.3	81.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.9	82.9
≥ 1500	42.4	76.6	81.6	82.2	82.2	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.2	84.2
≥ 1200	42.7	79.7	82.2	82.9	82.9	83.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.2	85.2
≥ 1000	42.7	79.7	83.2	84.5	84.5	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.8	86.8
≥ 900	42.7	80.3	83.7	85.0	85.0	85.7	86.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5
≥ 800	42.7	80.7	84.5	87.2	87.8	88.8	89.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.8	90.8
≥ 700	42.7	80.9	84.9	87.5	88.2	89.5	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 600	42.7	80.9	84.9	87.5	88.2	89.5	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.5	91.5
≥ 500	42.7	81.6	85.9	89.5	89.5	91.1	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.1	94.1
≥ 400	42.7	81.6	85.9	89.5	89.5	91.5	93.4	95.1	95.1	95.1	95.7	95.7	95.7	95.7	96.1	96.1
≥ 300	42.7	81.6	86.2	89.1	90.5	92.1	94.4	96.1	96.1	96.1	96.7	96.7	96.7	96.7	97.4	97.4
≥ 200	42.7	81.6	86.2	89.1	90.5	92.4	94.7	96.4	96.4	96.4	97.0	97.0	97.0	97.0	97.7	97.7
≥ 100	42.7	81.6	86.2	89.1	90.5	92.4	94.7	96.4	96.4	96.4	97.0	97.0	97.0	97.0	97.7	97.7
≥ 0	42.7	81.6	86.2	89.1	90.5	92.4	94.7	96.4	96.4	96.4	97.0	97.0	97.0	97.0	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS

72

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147

LAUREL, NC

73-72

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	28.5	41.7	42.2	42.5	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.4
≥ 20000	27.2	46.1	42.7	49.0	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
IV 18000	27.2	42.2	42.5	49.1	49.3	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
IV 16000	27.2	46.2	42.5	49.1	49.3	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
IV 14000	27.2	42.2	42.5	49.1	49.4	49.5	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 12000	27.2	46.2	42.2	49.5	49.7	49.8	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.4
IV 10000	27.2	52.4	52.1	53.5	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.5
IV 9000	27.2	52.5	54.0	54.4	54.6	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.4
IV 8000	27.2	58.6	54.4	59.8	60.1	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.9
IV 7000	27.2	59.5	60.4	60.8	61.1	61.2	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.9
IV 6000	27.2	59.8	60.7	61.1	61.4	61.5	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.2
IV 5000	27.2	62.4	63.7	64.1	64.4	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.2
IV 4500	27.2	65.1	66.4	67.1	67.5	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.3
IV 4000	27.2	68.7	70.2	70.8	71.2	71.4	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.2
IV 3500	27.2	71.2	72.4	73.5	74.1	74.4	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.2
IV 3000	27.2	73.7	75.7	76.3	77.0	77.3	77.3	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3
IV 2500	27.2	75.7	77.9	78.6	79.5	79.7	80.3	80.6	80.7	80.7	80.7	80.7	80.7	80.7	81.1
IV 2000	27.2	77.3	79.8	80.7	81.6	81.9	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.4
IV 1800	27.2	77.4	79.9	80.8	81.7	82.0	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.5
IV 1500	27.2	79.6	81.4	82.5	83.5	83.8	84.5	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.7
IV 1200	27.2	74.1	82.0	83.2	84.4	84.9	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.7
IV 1000	27.2	79.5	82.7	84.1	85.5	86.0	86.9	87.6	87.9	87.8	87.7	87.9	87.9	87.9	88.3
IV 900	27.2	79.9	82.2	84.7	86.2	86.8	87.8	88.5	88.7	88.8	88.8	88.9	88.9	88.9	89.3
IV 800	27.2	82.2	83.7	85.3	86.9	87.6	88.6	89.4	89.6	89.6	89.7	89.7	89.8	89.8	90.2
IV 700	27.2	80.6	84.1	85.9	87.6	88.4	89.5	90.5	90.7	90.7	90.8	90.8	90.9	90.9	91.3
IV 600	27.2	80.7	84.6	86.4	88.3	89.1	90.7	91.8	92.0	92.1	92.1	92.1	92.2	92.2	92.5
IV 500	27.2	81.0	85.0	87.0	89.0	90.1	92.1	93.5	93.7	94.1	94.2	94.2	94.2	94.2	94.6
IV 400	27.2	81.1	85.1	87.2	89.2	90.6	92.8	94.7	94.9	95.5	95.9	95.9	96.0	96.0	96.3
IV 300	27.2	81.1	85.2	87.4	89.4	91.4	93.8	96.3	96.5	97.4	97.4	97.4	97.5	97.5	97.8
IV 200	27.2	81.1	85.2	87.4	89.4	91.4	93.8	96.3	96.5	97.4	97.4	97.4	97.5	97.5	97.8
IV 100	27.2	81.1	85.2	87.4	89.4	91.4	93.8	96.3	96.5	97.4	97.4	97.4	97.5	97.5	97.8
IV 0	27.2	81.1	85.2	87.4	89.4	91.4	93.8	96.3	96.5	97.4	97.4	97.4	97.5	97.5	97.8

TOTAL NUMBER OF OBSERVATIONS

2024

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

147
STATION

147-1 ST, NC

STATION NAME

73-90

YEARS

ALL

MONTH

ALL

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.2	41.2	42.2	43.2	44.2	45.2	46.1	46.4	46.4	46.5	46.6	46.6	46.7	46.7	46.8	46.8
≥ 20000	27.2	47.4	49.3	50.6	52.0	52.6	53.3	53.7	53.7	53.6	54.0	54.0	54.1	54.1	54.2	54.4
IV 18000	27.2	47.4	49.3	50.7	52.1	52.6	53.4	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.3	54.5
IV 16000	27.2	47.4	49.4	50.7	52.1	52.6	53.4	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.3	54.5
IV 14000	27.2	47.6	49.5	50.8	52.2	52.6	53.6	53.9	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.5
IV 12000	27.2	48.5	50.3	51.6	53.0	53.6	54.4	54.8	54.8	55.0	55.1	55.1	55.2	55.2	55.3	55.5
IV 10000	27.2	51.5	53.3	55.3	56.9	57.5	58.4	58.8	58.9	59.1	59.2	59.2	59.3	59.3	59.4	59.6
IV 9000	27.2	51.5	54.2	55.7	57.3	58.0	58.8	59.3	59.3	59.5	59.6	59.6	59.7	59.7	59.9	60.0
IV 8000	27.2	56.0	57.4	60.2	62.0	62.7	63.7	64.2	64.2	64.4	64.5	64.6	64.7	64.7	64.8	65.0
IV 7000	27.2	57.2	59.7	61.5	63.3	64.1	65.1	65.6	65.6	65.8	65.9	66.0	66.1	66.1	66.2	66.4
IV 6000	27.2	57.5	62.0	61.8	63.5	64.4	65.4	65.9	66.0	66.2	66.3	66.3	66.4	66.5	66.6	66.8
IV 5000	27.2	59.0	61.7	63.5	65.4	66.3	67.3	67.8	67.7	68.1	68.2	68.2	68.3	68.4	68.5	68.7
IV 4500	27.2	61.3	63.4	65.8	67.8	68.6	69.7	70.2	70.2	70.5	70.6	70.6	70.7	70.8	70.9	71.1
IV 4000	27.2	61.7	64.1	67.1	69.2	71.4	72.4	73.6	74.2	74.2	74.5	74.6	74.6	74.7	74.8	75.1
IV 3500	27.2	66.5	69.7	71.9	74.3	75.3	76.6	77.2	77.2	77.5	77.6	77.6	77.8	77.9	77.9	78.1
IV 3000	27.2	69.7	72.5	74.9	77.5	79.7	80.1	80.7	80.8	81.1	81.2	81.2	81.3	81.4	81.5	81.7
IV 2500	27.2	70.8	76.2	76.8	79.5	80.3	82.2	82.9	83.0	83.2	83.4	83.4	83.5	83.5	83.7	83.9
IV 2000	27.2	71.7	76.5	78.1	81.2	82.3	83.9	84.6	84.6	84.9	85.0	85.1	85.2	85.2	85.4	85.6
IV 1800	27.2	71.9	76.8	78.3	81.2	82.5	84.1	84.8	84.8	85.2	85.3	85.3	85.4	85.5	85.6	85.8
IV 1500	27.2	72.7	76.7	79.5	82.6	84.1	85.7	86.5	86.6	86.9	87.0	87.0	87.2	87.2	87.4	87.5
IV 1200	27.2	73.2	77.2	80.1	83.3	84.8	86.6	87.4	87.5	87.8	87.9	88.0	88.1	88.1	88.3	88.5
IV 1000	27.2	73.6	77.9	80.9	84.2	85.8	87.7	88.6	88.7	89.0	89.0	89.2	89.2	89.4	89.5	89.7
IV 900	27.2	73.6	76.2	81.3	84.7	86.3	88.2	89.2	89.3	89.7	89.8	89.9	90.0	90.1	90.2	90.4
IV 800	27.2	74.2	76.6	81.8	85.4	87.1	89.0	90.2	90.4	90.7	90.9	90.9	91.1	91.1	91.3	91.5
IV 700	27.2	74.4	79.7	82.2	86.1	87.9	90.1	91.3	91.4	91.8	92.0	92.0	92.2	92.2	92.4	92.6
IV 600	27.2	74.5	79.1	82.5	86.4	88.4	90.6	92.3	92.4	92.6	92.7	92.8	93.1	93.3	93.4	93.5
IV 500	27.2	74.7	79.4	82.9	87.0	89.1	92.0	93.7	93.8	94.4	94.6	94.7	94.9	95.1	95.1	95.3
IV 400	27.2	74.8	79.5	83.1	87.3	89.6	92.7	94.6	94.8	95.4	95.6	95.7	96.1	96.2	96.3	96.5
IV 300	27.2	74.8	79.6	83.2	87.5	89.9	93.1	95.3	95.5	96.4	96.6	96.7	97.1	97.4	97.6	97.8
IV 200	27.2	74.8	79.6	87.2	87.6	89.9	93.2	95.6	95.9	96.6	97.5	97.6	98.3	98.3	98.7	99.0
IV 100	27.2	74.8	79.6	83.2	87.6	89.9	93.2	95.7	95.9	96.9	97.6	97.8	98.5	98.6	99.2	99.8
IV 0	27.2	74.8	79.6	83.2	87.6	89.9	93.2	95.7	95.9	96.9	97.6	97.8	98.5	98.6	99.2	99.8

TOTAL NUMBER OF OBSERVATIONS 24000

DIRNAVOCEANMET SMOS

SKY COVER

14780 LAKEHURST, NJ

73-82

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	01	22.6			19.4						6.5	51.6	6.3	93
	04	23.7			20.4						9.7	46.2	6.1	93
	07	16.4			21.5						13.5	49.6	6.7	311
	10	13.5			22.2						13.8	50.5	7.0	311
	13	8.1			19.7						23.2	49.0	7.6	310
	16	11.6			20.3						19.0	49.0	7.2	310
	19	18.7			21.9						14.2	45.2	6.5	310
	22	20.0			23.2						12.3	44.5	6.3	310
TOTALS		16.8			21.1						14.0	48.1	6.7	2048

NAVWEASERVCOM

14727 LAKEHURST, NJ

73-87

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STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB.	1	32.1			11.9						11.9	44.0	5.8	94
	54	22.6			15.5						14.3	47.6	6.5	94
	67	14.9			28.0						13.8	43.3	6.4	282
	12	16.7			23.7						16.3	44.0	6.6	282
	13	17.8			22.0						19.5	45.7	7.0	282
	16	14.2			21.3						19.9	44.7	6.9	282
	19	21.0			24.6						13.5	40.9	6.9	281
	22	29.5			19.9						10.3	40.2	5.5	281
TOTALS		20.5			20.8						14.9	43.8	6.3	1856

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SKY COVER

14780 LAKEHURST, NJ

73-82

487

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.		
		0	1	2	3	4	5	6	7	8	9			10	
MAY	01	24.7			9.7						6.5	50.1	6.9	93	
	04	20.4			14.0						8.6	57.0	6.9	93	
	07	16.1			17.7						17.1	49.0	7.0	310	
	10	10.6			17.7						19.7	52.9	7.5	310	
	13	5.5			20.0						21.3	53.2	7.8	310	
	16	7.1			15.7						25.2	49.0	7.7	310	
	19	12.2			25.2						13.9	45.1	6.8	310	
	22	20.1			15.5						11.5	46.8	6.2	310	
TOTALS		15.4			17.3						15.4	51.9	7.1	2046	

NAVWEASERVCOM

73-32

STATION

STATION NAME

PERIOD

13

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	33.3			13.3						14.4	37.9	5.6	91
	04	24.4			22.2						15.6	37.8	5.8	90
	07	17.7			24.7						19.0	38.7	6.3	300
	10	16.3			22.3						23.3	40.0	6.7	300
	13	10.7			25.0						24.3	40.0	6.9	300
	16	10.7			24.0						24.3	41.0	7.0	300
	19	12.0			26.7						19.7	41.7	6.7	300
	22	22.7			20.0						15.0	36.3	5.6	300
TOTALS		19.2			22.0						19.5	39.3	6.3	1935

NAYWEASERVCOM

AD-A150 449

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
LAKEHURST NEW JERSEY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC AUG 84

4/4

UNCLASSIFIED

F/G 4/2

41

END
DATE
FILED
7 85
(1)



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

SKY COVER

14780 LAKEHURST, NJ

73-82

May

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	12.9			24.7						11.8	50.5	6.9	93
	04	10.8			20.4						19.4	49.5	7.3	93
	07	12.3			20.0						19.7	48.1	7.2	310
	10	7.4			24.2						22.9	45.5	7.3	310
	13	1.9			21.6						30.6	45.8	8.0	310
	16	2.9			26.5						25.2	45.5	7.6	310
	19	3.9			22.3						27.1	46.8	7.8	310
	22	16.1			21.6						15.5	46.8	6.7	310
TOTALS		8.5			22.7						21.5	47.3	7.4	2046

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SKY COVER

14780 LAKEHURST, NJ

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	16.7			21.1						13.3	42.9	6.7	90
	04	5.6			24.4						18.9	51.1	7.5	90
	07	11.3			24.3						18.3	46.0	7.0	300
	10	7.3			26.0						26.7	40.0	7.2	300
	13	2.7			25.3						32.7	39.3	7.6	300
	16	2.7			26.0						34.3	37.0	7.6	300
	19	6.7			25.7						27.3	40.3	7.3	300
	22	12.7			29.0						16.3	42.0	6.5	300
TOTALS		8.2			25.2						23.5	43.1	7.2	1980

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SKY COVER

14780

LAKEHURST, NJ

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	01	24.7			20.4						11.8	43.0	6.0	93
	04	17.2			28.0						10.9	44.1	5.2	93
	07	13.9			28.7						18.1	39.4	6.4	310
	10	9.4			32.3						23.5	34.8	6.6	310
	13	1.9			25.5						36.5	36.1	7.7	310
	16	2.3			27.7						39.4	30.6	7.4	310
	19	8.4			30.3						26.5	34.8	6.8	310
	22	17.2			28.2						19.4	35.3	6.1	309
TOTALS		11.9			27.6						23.3	37.3	6.7	2045

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SKY COVER

14780

LAKEHURST, NJ

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	01	17.2			23.7						14.0	45.2	6.5	93
	04	14.0			24.7						17.2	44.1	6.7	93
	07	10.0			26.1						21.6	42.3	7.0	310
	10	7.1			30.6						30.6	31.6	6.8	310
	13	1.3			24.5						40.3	33.9	7.8	310
	16	2.9			27.1						36.1	33.9	7.5	310
	19	5.5			30.3						27.4	36.9	7.1	310
	22	16.5			24.3						21.0	38.2	6.4	309
TOTALS		9.3			26.4						26.0	38.3	7.0	2045

NAVWEASERVCOM

SKY COVER

14780

LAKEHURST, NJ

73-82

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	01	14.4			28.9						14.4	42.2	6.4	90
	04	20.0			21.1						16.7	42.2	6.4	90
	07	9.0			30.0						21.3	39.7	6.8	300
	10	10.3			30.3						24.7	34.7	6.6	300
	13	4.7			30.0						28.0	37.3	7.2	300
	16	5.0			32.3						29.3	33.3	6.9	300
	19	9.0			29.7						23.3	38.0	6.8	300
	22	20.0			26.0						19.3	34.7	6.0	300
TOTALS		11.6			28.5						22.1	37.8	6.6	1980

NAVWEASERVCOM

14780 LAKEHURST, NJ

73-82

GCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	01	40.9			19.4						7.5	32.3	4.5	93
	04	36.6			21.5						9.7	32.3	4.7	93
	07	18.4			26.2						20.4	35.0	6.1	309
	10	13.5			32.3						21.3	32.9	6.2	310
	13	9.0			28.1						29.7	33.2	6.8	310
	16	11.0			29.0						29.0	31.0	6.6	310
	19	20.3			25.8						21.6	32.3	5.9	310
	22	30.6			21.3						17.7	30.3	5.3	310
TOTALS		22.5			25.5						19.6	32.4	5.8	2045

NAVWEASERVCOM

SKY COVER

14780

LAKELURST, NJ

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	01	22.2			23.3						13.3	41.1	6.0	90
	04	22.2			27.8						15.6	34.4	5.7	90
	07	14.0			21.0						24.0	41.0	6.9	300
	10	11.0			24.3						26.0	38.7	6.9	300
	13	7.3			25.7						25.0	42.0	7.2	300
	16	9.0			25.7						25.0	40.3	7.1	300
	19	21.0			19.7						15.7	43.7	6.4	300
	22	23.7			18.3						15.3	42.7	6.2	300
TOTALS		16.3			23.2						20.0	40.5	6.6	1980

NAVWEASERVCOM

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	18.6			20.9						12.8	47.7	6.5	86
	04	18.8			18.8						14.1	48.2	6.7	85
	07	14.8			25.2						16.8	43.2	6.6	310
	10	13.2			17.4						23.5	45.8	7.2	310
	13	8.4			21.3						21.0	49.4	7.5	310
	16	10.0			23.5						21.6	44.8	7.1	310
	19	21.7			22.0						13.3	43.0	6.2	309
	22	20.7			21.0						15.5	42.4	6.3	304
TOTALS		15.8			21.3						17.3	45.6	6.8	2024

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SKY COVER

14780

LAKEHURST, NJ

73-82

ALL

STATION

STATION NAME

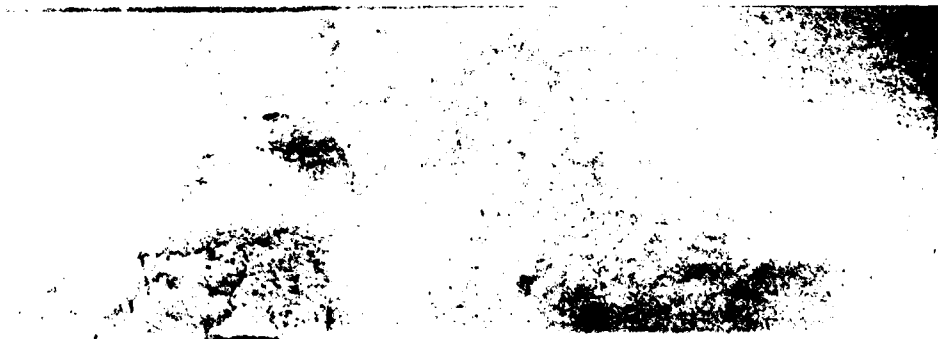
PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	16.8			21.1						14.0	49.1	6.7	2048
FEB		20.5			20.8						14.9	43.8	6.3	1858
MAR		15.4			17.3						15.4	51.9	7.1	2046
APR		19.2			22.0						19.5	39.3	6.3	1980
MAY		8.5			22.7						21.5	47.3	7.4	2046
JUN		8.2			25.2						23.5	43.1	7.2	1980
JUL		11.9			27.6						23.3	37.3	6.7	2045
AUG		9.3			26.4						26.0	38.3	7.0	2045
SEP		11.6			28.5						22.1	37.8	6.6	1980
OCT		22.5			25.5						19.6	32.4	5.8	2045
NOV		16.3			23.2						20.0	40.5	6.6	1980
DEC		15.8			21.3						17.3	45.6	6.8	2024
TOTALS		14.7			23.5						19.8	42.1	6.7	24077

NAVWEASERVCOM



PSYCHOMETRIC

NOCD, Federal Building
Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION

W. MUST, 10

STATION NAME

45-3"

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
N 70						.3	1.2	.7	.2				.2
N 75					.1	4.6	16.5	14.8	4.9	.4			7.7
N 80					2.9	24.4	53.3	45.9	17.7	1.7	.1		12.4
N 85				1.0	10.4	49.3	80.5	71.3	34.6	6.1	1.1		21.6
N 90			.7	4.7	26.5	73.1	95.4	90.8	58.4	16.3	4.4	.3	31.3
N 95	.1		2.7	11.1	51.5	91.7	99.8	98.7	77.9	32.9	9.5	1.6	45.3
N 100	1.6	2.2	5.6	26.5	74.8	99.1	100.0	99.8	91.2	52.9	19.5	3.9	48.6
N 105	3.3	4.5	15.6	52.9	93.8	100.0		100.0	96.8	74.3	35.5	11.0	57.8
N 110	14.1	15.2	34.3	75.4	99.2				99.5	88.8	55.5	21.2	67.3
N 115	27.7	31.9	60.4	92.7	100.0				100.0	97.4	77.3	41.2	77.6
N 120	46.1	51.7	81.0	98.4						99.7	92.6	60.5	86.0
N 125	62.3	69.8	92.5	100.0						99.9	98.6	77.4	91.9
N 130	78.5	82.3	97.8							100.0	99.9	89.1	95.7
N 135	98.7	93.5	99.6								100.0	96.6	95.2
N 140	95.2	98.4	99.9									99.4	99.4
N 145	99.7	99.6	100.0									100.0	99.9
N 150	99.8	99.9											100.0
N 155	99.9	100.0											100.0
N 160	100.0												100.0
N 165													
N 170													
N 175													
N 180													
N 185													
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N 280													
N 285													
N 290													
N 295													
N 300													
MEAN	22.7	24.5	31.6	40.7	49.6	59.1	64.5	63.1	56.0	45.5	36.7	27.1	43.4
S. D.	10.606	9.704	8.448	7.609	7.214	6.660	5.445	6.031	8.417	8.788	9.157	9.799	16.708
TOTAL OBS.	1055	1016	1115	1080	1115	1080	1115	1116	1110	1054	1079	1113	13078

NAVWEASERVCOM

DAILY TEMPERATURES

147
STATION

LAKESHURST, NJ

STATION NAME

43-50

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAY 1964

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80						.1	.2	.4	.1				.1
75					.1	2.9	5.3	2.5	.5				.9
70				.3	2.9	14.7	23.0	13.6	6.5	.2			.7
65			.4	2.8	10.1	33.1	51.2	40.1	17.1	1.5			1.2
60			1.0	6.9	20.4	56.9	78.1	68.8	35.9	7.4	.5		2.3
55		.1	.2	2.7	13.6	38.1	73.1	94.5	88.4	56.6	18.7	2.6	.1
50		.1	1.0	6.1	24.1	55.4	88.2	99.1	97.9	74.9	35.1	8.7	1.0
45	2.2	2.9	12.3	34.8	73.7	96.1	99.8	99.9	89.5	55.6	17.6	2.9	42.3
40	5.7	6.7	19.6	52.8	86.5	99.1	100.0	100.0	97.3	75.6	31.6	8.0	57.3
35	11.2	13.3	30.6	71.4	95.2	99.9			99.2	89.7	50.3	17.2	65.1
30	19.9	23.2	45.0	86.8	98.7	100.0			99.8	96.8	68.7	28.4	72.5
25	31.3	36.3	64.3	96.8	99.8				100.0	99.1	85.0	43.2	79.9
20	48.1	56.0	82.3	99.3	100.0					99.8	94.2	63.6	87.1
15	66.2	75.5	93.7	99.9						100.0	98.5	80.3	92.9
10	80.6	88.0	98.4	100.0							99.7	91.0	96.5
5	91.3	95.9	99.9								100.0	97.0	98.7
0	97.1	98.8										99.8	99.6
-5	99.0	99.7	100.0										99.9
-10	99.7	100.0										100.0	100.0
-15	99.9												100.0
-20	100.0												100.0
-25													
-30													
-35													
-40													
-45													
-50													
-55													
-60													
-65													
-70													
-75													
-80													
-85													
-90													
-95													
-100													
MEAN	37.0	41.7	44.7	61.4	71.0	80.0	84.5	82.5	75.7	66.0	54.9	43.6	62.6
S.D.	11.13	10.821	11.404	10.463	9.954	8.585	6.374	6.394	8.748	9.13	9.961	10.695	18.71
TOTAL OBS.	1	1616	1115	1080	1115	1080	1115	1116	1110	1054	1079	1115	1360

NAVWEASERVCOM

DAILY TEMPERATURES

14701
STATION

LAKELAND, NJ
STATION NAME

40-92

YEARS

MEAN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80						.2	2.3	1.3	.2				.4
79					.4	7.7	20.1	12.4	4.0				7.3
78				.3	4.5	28.1	51.7	40.8	15.6	1.2			10.0
77			.4	2.2	14.1	52.4	82.4	72.7	34.2	4.8	.5		20.3
76	.1		1.2	8.2	32.4	75.8	98.5	93.8	56.9	15.4	2.7	.2	32.5
75	.4	.4	3.9	16.9	53.4	92.8	100.0	99.6	79.5	34.3	7.5	1.1	41.2
74	1.7	1.9	8.8	29.1	76.5	99.1		99.9	93.4	55.2	18.3	3.1	40.3
73	4.3	5.7	16.6	53.0	93.1	99.9		100.0	97.7	78.7	34.0	8.8	50.0
72	11.6	12.0	30.6	77.2	99.2	100.0			99.4	92.7	53.9	18.4	66.6
71	21.4	24.3	51.8	94.1	100.0				99.9	97.7	74.3	34.1	75.1
70	38.7	45.5	76.9	99.0					100.0	99.7	90.9	53.7	83.9
69	57.4	65.6	90.7	99.9						100.0	97.9	73.3	90.5
68	74.3	81.3	97.3	100.0							99.7	86.5	95.0
67	86.4	92.7	99.5								100.0	95.0	97.8
66	94.5	97.9	99.9									99.4	99.3
65	98.6	99.5	100.0									99.9	99.8
64	99.7	100.0										100.0	100.0
63	99.9												100.0
62	100.0												100.0
61													
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5													
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3													
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1													
0													
MEAN	51.4	53.4	47.9	51.0	60.7	69.8	74.8	75.1	66.2	56.0	46.0	35.6	53.3
S.D.	1.513	0.619	0.213	0.416	0.763	0.892	0.152	0.499	0.875	0.188	0.947	0.722	1.256
TOTAL OBS.	1000	1016	1115	1180	1115	1080	1115	1116	1117	1054	1079	1113	13078

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1973

LAKEHURST, NJ

1946-1978

1981-1982

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	33.1	.5	40.7	4.8	61	16.1	1966		25.5	-3.6	9	-12.8	1969	
2	31.7	-.1	39.9	4.2	54	12.2	1972*		24.3	-4.3	6	-14.4	1968	
3	33.3	.7	41.0	5.0	61	16.1	1951*		25.9	-3.6	10	-12.2	1969	
4	33.3	.8	41.1	5.1	68	20.0	1950		26.0	-3.3	2	-16.7	1981	
5	32.7	.0	40.1	4.5	66	18.9	1950		23.9	-4.5	6	-14.4	1969	
6	33.2	.7	42.1	5.6	72	22.2	1950		24.3	-4.3	7	-13.9	1969	
7	33.2	.7	40.6	4.8	66	18.9	1950		25.8	-3.4	6	-14.4	1968	
8	29.4	-1.2	36.9	2.7	61	16.1	1978		22.7	-5.2	3	-16.1	1970	
9	29.7	-1.3	38.5	3.6	61	16.1	1978		20.9	-6.2	0	-17.8	1981	
10	30.3	-.9	38.7	3.3	63	17.2	1950		22.5	-5.3	2	-16.7	1982	
11	30.0	-1.1	37.1	2.8	65	18.3	1975		22.9	-5.1	2	-16.7	1982	
12	28.2	-2.1	36.1	2.3	53	14.4	1975		20.3	-6.5	-2	-18.9	1981	
13	29.1	-1.6	37.8	3.2	61	16.1	1972		20.5	-6.4	-2	-18.9	1981	
14	31.3	-.3	40.1	4.5	63	17.2	1950		22.9	-5.1	6	-14.4	1954	
15	30.7	-.7	38.7	3.7	65	18.3	1952		22.7	-5.2	0	-17.8	1965	
16	29.4	-1.4	35.2	3.4	66	18.9	1953		20.5	-6.4	-2	-18.9	1982	
17	27.5	-2.5	36.9	2.7	63	17.2	1973		18.1	-7.7	-13	-25.0	1982	
18	28.5	-1.9	39.2	3.4	67	19.4	1973		19.0	-7.2	-8	-22.2	1982	
19	30.0	-1.1	39.2	4.0	70	21.1	1951		20.9	-6.2	-3	-19.4	1948	
20	32.1	.1	40.7	4.4	68	20.0	1951		23.5	-4.7	5	-15.0	1971	
21	32.4	.2	41.2	5.1	62	16.7	1959		23.6	-4.7	3	-16.1	1961	
22	32.2	.1	41.2	5.1	65	18.3	1957		23.2	-4.9	-1	-18.3	1961	
23	32.3	.5	42.7	5.9	69	20.6	1967		23.1	-4.9	2	-16.7	1976	
24	32.3	.2	40.6	4.8	70	21.1	1967		24.1	-4.4	1	-17.2	1963	
25	33.4	1.0	41.3	5.3	65	18.3	1967		26.1	-3.3	1	-17.2	1963	
26	34.5	1.6	44.3	6.7	76	24.4	1950		25.9	-3.4	4	-15.6	1961	
27	33.2	.7	41.1	5.1	68	20.0	1974		25.3	-3.7	8	-13.3	1982	
28	29.3	-1.2	38.3	3.5	61	16.1	1949		21.3	-5.9	4	-15.6	1961	
29	30.0	-1.1	38.4	3.6	66	18.9	1975		21.6	-5.8	0	-17.8	1977	
30	30.3	-.7	39.3	4.1	71	21.7	1947		22.2	-5.4	3	-16.1	1952	
31	29.7	-1.8	37.9	3.1	63	17.2	1974		20.0	-6.7	-4	-20.0	1948	
Monthly	31.2	-.4	39.6	4.2	76	24.4	1950		22.9	-5.1	-13	-25.0	1982	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1978

LAKEHURST, NJ

1945-1978 1981-1982

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	29.8	-1.2	38.3	3.5	67	15.6	1982*		21.3	-5.9	3	-16.1	1971*	
2	31.1	-0.5	39.2	4.1	65	18.3	1967		22.9	-5.1	-7	-21.7	1961	
3	28.1	-2.2	36.8	2.7	60	15.6	1982		19.3	-7.1	-1	-18.3	1971*	
4	29.6	-1.3	35.2	3.4	58	14.4	1962		21.1	-6.1	4	-15.6	1981	
5	30.3	-0.9	38.7	3.7	67	19.4	1962		21.9	-5.6	4	-15.6	1947	
6	32.3	.0	41.1	5.1	59	15.0	1960		22.9	-5.1	4	-15.6	1977*	
7	31.4	-0.1	40.1	4.5	55	12.8	1951		23.7	-4.6	3	-16.1	1948	
8	30.1	-1.1	38.9	3.8	60	15.6	1965		21.3	-5.9	0	-17.8	1963	
9	30.7	-0.7	39.0	3.9	63	17.2	1949		22.4	-5.3	5	-15.0	1948	
10	31.7	-0.1	41.3	4.6	66	18.9	1960		23.5	-4.7	8	-13.3	1974*	
11	32.7	.4	42.1	5.6	66	18.9	1960		23.4	-4.8	1	-17.2	1962	
12	30.7	-0.7	39.8	4.3	50	15.7	1971*		21.5	-5.9	6	-14.4	1967	
13	32.4	.2	40.7	4.8	71	21.7	1951		24.2	-4.4	-1	-18.3	1967	
14	33.9	1.1	43.1	6.2	65	18.3	1949		24.7	-4.1	10	-12.2	1955	
15	35.6	2.0	44.4	6.9	76	24.4	1949		26.7	-2.9	12	-11.1	1969	
16	34.4	1.3	43.9	6.6	76	24.4	1954		25.0	-3.9	7	-13.9	1973	
17	34.3	1.3	42.3	5.7	68	20.0	1976		26.2	-3.2	4	-15.6	1973	
18	35.2	1.8	44.1	6.7	72	22.2	1981		26.2	-3.2	5	-15.0	1973	
19	36.0	2.2	44.5	6.9	71	21.7	1961		27.5	-2.5	12	-11.1	1965*	
20	33.1	.9	42.0	5.6	66	18.9	1971		25.2	-3.8	5	-15.0	1966	
21	32.3	.2	40.1	4.5	68	20.0	1953		24.4	-4.2	5	-15.0	1968	
22	33.3	1.1	42.7	5.9	62	16.7	1974		25.1	-3.8	6	-14.4	1968	
23	33.3	1.0	42.3	5.6	66	18.9	1977		25.6	-3.6	9	-12.8	1972*	
24	34.7	1.5	44.2	6.5	70	21.1	1961		25.1	-3.8	11	-11.7	1965*	
25	37.7	3.2	46.7	8.2	68	20.0	1976		28.6	-1.9	12	-11.1	1967	
26	36.1	2.7	45.4	7.4	65	18.3	1976		28.2	-2.1	9	-12.8	1970	
27	37.8	3.2	47.4	8.6	71	21.7	1971		28.1	-2.2	8	-13.3	1963	
28	36.2	2.3	44.9	7.2	65	18.3	1976		27.4	-2.6	12	-11.1	1950	
29	35.3	3.5	46.6	8.1	74	23.3	1976		30.0	-1.1	22	-5.6	1956	
30														
31														
Monthly	33.3	.7	41.9	5.5	76	24.4	1954*		24.5	-4.2	-7	-21.7	1961	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1978

LAKEHURST, NJ

1945-1978

1981-1982

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	36.6	2.6	44.5	6.9	73	25.6	1972	28.7	-1.8	13	-10.6	1947
2	36.9	2.7	45.2	7.3	75	23.9	1972	28.5	-1.9	10	-12.2	1962
3	36.8	2.7	45.0	7.2	67	19.4	1945	28.7	-1.8	10	-12.2	1962
4	37.3	2.9	46.0	7.8	75	23.9	1974	28.6	-1.9	7	-13.9	1957
5	39.7	4.3	48.6	9.2	80	26.7	1976	30.8	-0.7	7	-13.9	1948
6	37.6	3.1	45.7	7.6	65	18.3	1959	29.4	-1.4	8	-13.3	1948
7	36.2	3.4	46.7	8.2	75	23.9	1946	29.7	-1.3	12	-11.1	1978
8	36.2	2.3	44.7	7.1	67	15.6	1973*	27.7	-2.4	13	-10.6	1967
9	37.7	3.2	47.3	8.5	75	23.9	1964	28.1	-2.2	14	-10.0	1960
10	38.5	3.6	47.1	8.4	73	22.8	1955	29.9	-1.2	16	-8.9	1962
11	38.2	3.4	46.9	8.3	72	22.2	1967	29.4	-1.4	10	-12.2	1967
12	39.4	4.1	48.5	9.2	71	21.7	1973	30.2	-1.0	12	-11.1	1967
13	40.4	4.7	48.5	9.2	70	21.1	1946	32.2	.1	15	-9.4	1948
14	41.2	5.1	49.5	9.7	77	25.0	1957	32.9	.5	17	-8.3	1948
15	41.3	5.2	50.7	10.4	72	22.2	1971	31.9	-0.1	19	-7.2	1967
16	40.9	4.9	49.9	9.9	80	26.7	1945	31.9	-0.1	19	-7.2	1960
17	39.7	4.3	47.9	8.8	86	30.0	1945	31.5	-0.3	17	-8.3	1967
18	37.2	2.9	45.6	7.6	72	22.2	1969	28.9	-1.7	10	-12.2	1967
19	39.4	4.1	48.5	9.2	72	22.2	1945	30.4	-0.9	3	-16.1	1967
20	41.0	5.0	50.4	10.2	86	30.0	1945	31.6	-0.2	15	-9.4	1949
21	42.4	5.9	51.7	10.9	84	28.9	1948	33.5	.8	14	-10.0	1965
22	41.3	5.4	50.4	10.2	77	25.0	1948	33.2	.7	21	-6.1	1965
23	42.3	6.1	52.6	11.4	71	21.7	1949	33.2	.7	20	-6.7	1959
24	43.7	6.5	54.7	12.6	69	20.6	1963	32.8	.4	23	-5.0	1956
25	42.3	6.1	52.5	11.4	72	25.6	1963	33.2	.7	20	-6.7	1956
26	43.4	6.4	54.0	12.2	74	23.7	1963	33.2	.7	13	-7.8	1974
27	43.2	6.6	52.9	11.6	80	26.7	1949	34.8	1.6	20	-6.7	1975
28	45.5	7.5	56.5	13.6	87	30.6	1945	34.5	1.4	15	-7.8	1966
29	46.7	8.2	57.9	14.4	89	31.7	1945	35.4	1.9	17	-8.3	1982
30	46.5	8.1	55.7	13.2	85	29.4	1977	37.3	2.9	22	-5.6	1970
31	45.0	7.2	53.9	12.2	79	26.1	1945	36.1	2.3	22	-5.6	1947
Monthly	40.6	4.8	49.7	9.8	89	31.7	1945	31.6	-0.2	3	-16.1	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

730

LAKEHURST, NJ

1945-1978

1981-1982

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	47.5	8.7	56.6	14.8	83	28.3	1978		36.6	2.6	20	-6.7	1969	
2	49.3	9.6	59.4	15.2	83	29.3	1967		39.2	4.0	20	-6.7	1964	
3	47.5	8.6	58.2	14.6	81	27.2	1963		36.9	2.7	23	-5.0	1954	
4	46.7	8.2	56.5	13.6	8	26.7	1950		36.8	2.7	22	-5.6	1954	
5	47.7	8.7	58.2	14.6	75	23.9	1969		37.2	2.9	24	-4.4	1975	
6	45.6	8.1	56.2	13.4	80	26.7	1967		37.0	2.8	22	-5.6	1982	
7	47.7	8.2	56.6	13.7	73	25.6	1954		36.9	2.7	22	-6.7	1982	
8	46.4	8.0	56.3	13.5	84	28.9	1959		36.4	2.4	24	-4.4	1982	
9	46.7	8.2	57.3	14.1	86	30.0	1959		36.2	2.3	22	-5.6	1977	
10	47.3	8.3	58.2	14.6	78	25.6	1955		35.8	2.1	22	-5.6	1977	
11	46.3	9.1	51.5	14.7	84	28.9	1955		36.1	3.4	28	-2.2	1982	
12	46.9	9.4	59.8	15.4	89	31.1	1977		38.0	3.3	27	-2.8	1976	
13	46.5	9.2	59.0	15.0	86	30.0	1977		37.9	3.3	27	-2.8	1969	
14	41.0	10.6	61.7	16.5	86	30.0	1960		40.3	4.6	24	-4.4	1950	
15	41.1	10.6	61.8	16.6	86	30.0	1960		40.4	4.7	27	-2.8	1962	
16	41.1	10.6	62.9	17.2	81	27.2	1976		39.3	4.1	27	-2.8	1981	
17	52.7	11.5	64.1	17.8	91	32.8	1976		41.3	5.2	28	-2.2	1962	
18	54.7	12.6	66.4	19.1	93	33.9	1976		42.9	6.1	30	-1.1	1948	
19	54.3	12.4	65.4	18.6	91	32.9	1976		43.2	6.2	30	-1.1	1982	
20	52.3	11.6	63.8	17.7	88	31.1	1976		42.1	5.6	31	-0.6	1961	
21	52.3	11.6	64.5	18.1	86	30.0	1957		41.3	5.2	29	-1.7	1956	
22	54.7	12.6	65.7	18.7	86	30.0	1977*		43.8	6.6	28	-2.2	1981	
23	54.3	12.7	66.4	19.1	86	30.0	1973		43.4	6.3	24	-4.4	1932	
24	53.2	11.8	63.0	17.2	82	27.8	1961		43.5	6.4	32	.0	1956	
25	52.2	11.8	63.2	17.3	80	31.7	1960		43.2	6.2	30	-1.1	1956	
26	54.4	12.4	64.1	17.8	80	26.7	1957*		44.7	7.1	31	-0.6	1967	
27	52.4	11.3	61.1	16.2	80	31.7	1962		43.7	6.5	34	1.1	1967*	
28	52.3	11.6	62.9	17.2	88	31.1	1957		42.7	5.9	32	.0	1972	
29	55.3	12.9	66.1	18.9	89	31.7	1974		44.6	7.0	33	.6	1977*	
30	54.6	12.6	65.1	18.4	80	26.7	1974*		44.1	6.7	33	.6	1982	
31														
Monthly	50.9	10.4	61.4	16.3	93	33.9	1976		40.3	4.6	20	-6.7	1982*	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14720

LAKEHURST, NJ

1945-1978 1981-1982

414

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	54.9	12.7	65.3	18.5	83	28.3	1970		44.5	6.9	30	-1.1	1978	
2	55.5	13.1	65.4	18.6	81	27.2	1951		45.6	7.6	35	1.7	1978*	
3	56.3	13.5	66.5	19.2	85	29.4	1969*		46.1	7.8	34	1.1	1966	
4	56.2	13.3	66.8	19.3	88	31.1	1965		45.2	7.3	34	1.1	1957	
5	55.8	13.2	66.7	19.3	90	32.2	1955*		44.8	7.1	34	1.1	1966	
6	58.1	14.5	70.2	21.2	93	33.7	1949		46.3	7.8	37	2.8	1970*	
7	56.5	13.6	67.4	19.7	90	32.2	1959		45.6	7.6	35	1.7	1970	
8	56.7	13.5	66.5	19.2	88	31.1	1964		46.2	7.9	34	1.1	1974	
9	57.9	14.4	69.3	20.7	90	32.2	1963		46.6	8.1	32	.0	1947	
10	60.3	15.7	71.3	21.8	90	32.2	1970*		49.1	9.5	32	.0	1947	
11	59.4	15.2	69.9	21.1	90	32.2	1948		48.9	9.4	31	-.6	1966	
12	60.3	16.0	72.4	22.4	92	33.3	1959		49.2	9.6	36	2.2	1962	
13	61.2	16.2	72.2	22.3	88	31.1	1947		50.1	10.1	40	4.4	1976*	
14	60.5	15.3	70.1	21.2	82	27.8	1981*		48.8	9.3	39	3.9	1951	
15	60.4	15.8	70.7	21.5	89	31.7	1945		50.0	10.0	37	2.8	1971	
16	60.9	16.1	71.4	21.9	90	32.2	1951		50.3	10.2	39	3.9	1959	
17	60.6	17.2	74.3	23.5	90	32.2	1977*		51.4	10.8	36	2.2	1956	
18	62.1	16.7	72.4	22.4	92	33.3	1977		51.8	11.0	40	4.4	1973	
19	62.3	17.2	73.5	23.1	95	35.0	1962		52.2	11.2	36	3.3	1973	
20	62.8	17.1	72.8	22.7	90	32.2	1978*		52.7	11.5	43	6.1	1945	
21	61.9	16.6	71.7	22.1	89	31.1	1959		52.1	11.2	41	5.0	1974*	
22	62.3	16.9	73.5	23.1	90	32.2	1945		51.5	10.8	41	5.0	1957	
23	63.1	17.3	74.2	23.4	92	33.3	1964		51.9	11.1	42	5.6	1963	
24	61.3	16.6	72.3	22.4	93	33.9	1964		51.4	10.8	35	1.7	1963	
25	62.3	16.9	72.3	22.4	92	33.3	1981		52.7	11.5	36	2.2	1963	
26	63.5	17.5	73.3	22.9	92	33.3	1965		53.7	12.1	41	5.3	1972	
27	62.1	16.7	71.6	22.0	94	34.4	1965		52.7	11.5	37	2.8	1972	
28	62.3	17.2	73.6	23.1	90	32.2	1977		52.2	11.2	32	3.3	1972	
29	63.3	17.7	73.2	22.9	90	33.3	1969		54.9	12.3	40	4.4	1949	
30	63.4	17.4	73.4	23.8	90	32.2	1959		53.4	11.9	40	4.4	1949	
31	65.4	18.6	76.0	24.4	93	33.9	1956		54.9	12.7	43	6.1	1966*	
Monthly	60.4	15.8	71.0	21.7	95	35.0	1962		49.9	9.9	30	-1.1	1978	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET--SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14780

LA-EHURST, NJ

1945-1978

1981-1982

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	65.7	18.7	76.1	24.5	91	32.9	1951	55.3	12.9	40	4.4	1945
2	66.2	19.0	76.1	24.5	89	31.7	1969	56.2	13.4	45	7.2	1966
3	65.1	18.4	75.2	24.1	87	30.6	1970	55.1	12.8	45	7.2	1976
4	65.7	19.8	77.2	25.1	91	32.9	1951	54.5	12.5	44	6.7	1969
5	67.0	19.4	77.7	25.4	94	34.4	1953	56.3	13.5	45	7.2	1950
6	67.7	19.8	79.4	26.3	94	34.4	1953	55.9	13.3	41	5.0	1940
7	67.5	19.7	78.3	25.7	92	33.3	1971	56.7	13.7	40	4.4	1958
8	67.8	19.9	79.0	26.1	97	33.3	1971	56.6	13.7	44	6.7	1977
9	69.7	20.6	79.6	26.4	94	34.4	1952	58.4	14.7	45	7.2	1957
10	69.4	20.2	79.5	26.4	96	35.6	1974	57.3	14.1	46	7.8	1972
11	69.5	20.3	79.8	26.6	93	33.7	1973	57.3	14.1	40	4.4	1972
12	69.6	20.9	80.6	27.0	92	33.3	1967*	58.7	14.8	43	6.1	1972
13	68.2	20.1	77.0	25.0	94	34.4	1961	59.4	15.2	48	8.9	1950
14	67.2	19.6	76.2	24.6	99	37.2	1956	58.2	14.6	47	8.3	1978
15	68.3	20.2	78.3	25.7	97	36.1	1945	58.3	14.6	42	5.6	1978
16	69.5	20.8	79.4	26.3	96	35.6	1981	59.6	15.3	49	9.4	1961
17	69.1	20.6	79.2	26.2	96	35.6	1957*	58.9	14.9	47	8.3	1961
18	69.2	20.7	80.2	26.9	95	35.0	1945	58.2	14.6	44	6.7	1950
19	69.5	21.0	80.3	26.8	96	35.6	1957	59.3	15.2	45	7.2	1954
20	70.3	21.3	80.8	27.1	94	34.4	1953	59.9	15.5	46	7.8	1956
21	71.1	21.7	80.7	27.1	95	35.7	1953	61.3	16.3	46	7.8	1968
22	71.5	21.9	81.2	27.3	95	35.7	1981	61.9	16.6	47	8.3	1963
23	70.8	21.6	81.0	27.2	96	35.6	1965	60.6	15.9	49	9.4	1958
24	72.7	22.6	84.2	29.0	95	35.7	1950*	61.2	16.2	49	9.4	1947
25	73.6	23.1	84.2	29.0	97	36.1	1952	62.9	17.2	48	8.9	1962
26	73.3	22.9	83.6	28.7	100	37.8	1952	63.1	17.3	52	11.1	1965
27	73.2	22.9	84.1	28.9	97	36.1	1963	62.4	16.9	48	8.9	1965
28	72.7	22.6	83.3	28.5	98	36.7	1969	62.1	16.7	50	10.0	1970
29	73.4	23.0	84.1	28.9	98	36.7	1945	62.7	17.1	51	10.6	1970*
30	74.7	23.7	85.1	29.5	99	37.3	1945	64.2	17.9	54	12.2	1962
31												
Monthly	69.6	20.9	80.0	26.7	100	37.8	1952	59.1	15.1	40	4.4	1972*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14780

LA ECHURST, NJ

1945-1978

1981-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	DATE	° F	° C	° F	° C	DATE
1	75.3	24.3	85.7	29.8	98	36.7	1968	64.7	18.2	54	12.2	1952
2	75.3	24.0	86.4	30.2	97	36.1	1966	63.9	17.7	52	11.1	1965*
3	74.2	23.4	84.6	29.2	100	37.8	1966	63.8	17.7	52	11.1	1977*
4	72.8	22.7	83.3	28.5	99	37.2	1949	62.3	16.8	52	11.1	1971
5	72.2	22.3	82.1	27.8	98	36.7	1955	62.3	16.8	50	10.0	1982
6	72.4	22.4	82.8	28.2	94	34.4	1955	62.1	16.7	51	10.6	1982
7	72.5	22.5	82.9	28.3	93	33.9	1946	62.0	16.7	51	10.6	1968
8	73.0	23.1	84.1	28.9	96	35.6	1982	63.1	17.3	53	11.7	1959
9	74.3	23.4	84.3	29.1	96	35.6	1981	64.1	17.8	53	11.7	1972
10	74.7	23.7	84.5	29.2	94	34.4	1974	64.9	18.3	54	12.2	1963
11	73.1	22.8	83.8	28.3	93	33.9	1981	63.1	17.3	53	11.7	1954
12	73.4	23.5	83.7	28.7	96	35.6	1981	63.1	17.3	50	10.0	1945
13	74.7	23.3	84.0	28.9	95	35.7	1966*	64.0	17.8	49	9.4	1971
14	74.7	23.7	83.9	28.8	101	38.3	1954	65.6	18.7	59	15.0	1970
15	74.3	23.5	83.8	28.8	95	35.7	1952	64.7	18.2	56	13.3	1971
16	74.3	23.5	83.8	28.8	99	37.2	1977	64.8	18.2	53	11.7	1946
17	75.7	24.1	85.4	29.7	98	36.7	1977	65.2	18.4	52	11.1	1946
18	76.7	24.8	87.6	30.9	100	37.8	1953	65.7	18.7	54	12.2	1976*
19	77.4	25.2	88.0	31.1	100	37.8	1977	66.9	19.4	56	14.4	1976*
20	75.5	24.2	84.9	29.4	98	36.7	1946	66.1	18.9	56	13.3	1965
21	75.4	24.1	86.3	30.0	100	37.8	1977*	64.7	18.2	53	11.7	1966*
22	75.3	24.0	84.7	29.3	102	38.9	1955	65.7	18.7	55	12.8	1974*
23	75.1	23.9	84.6	29.2	99	37.2	1952	65.6	18.7	50	10.0	1974
24	74.3	23.5	84.0	28.9	93	33.9	1968*	64.7	18.2	54	12.2	1947
25	73.6	23.1	83.1	28.4	93	33.9	1965*	64.7	17.8	53	11.7	1953
26	73.7	23.3	84.2	29.0	93	33.7	1963	63.7	17.6	51	10.0	1976
27	75.5	24.2	85.7	29.8	97	36.1	1949	65.3	18.5	50	10.0	1977
28	75.4	24.4	85.8	29.7	93	36.7	1949	66.3	19.1	49	9.4	1977
29	75.3	24.1	85.1	29.5	96	35.6	1954	65.6	18.7	52	11.1	1977
30	74.7	23.7	84.3	28.9	97	36.1	1949	65.5	18.6	55	12.8	1968*
31	75.5	24.2	85.3	29.6	102	39.9	1954	65.7	18.7	54	12.2	1956
Monthly	74.5	23.6	84.5	29.2	102	38.9	1955*	64.5	18.1	49	9.4	1977*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

14781

LAKEHURST, NJ

1945-1978

1981-1982

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	74.9	23.8	84.1	28.9	95	35.0	1975*		65.5	18.6	54	12.2	1964	
2	73.6	23.1	82.7	28.2	101	38.3	1955		64.4	18.0	55	12.8	1976*	
3	73.3	23.3	83.1	28.4	98	36.7	1975		64.7	18.2	54	12.2	1959*	
4	73.1	22.8	82.4	28.3	94	34.4	1955		63.8	17.7	52	11.1	1964	
5	73.0	22.8	82.7	27.8	99	37.2	1955		64.7	17.8	49	9.4	1951	
6	72.4	22.4	82.2	27.9	95	35.0	1955		62.6	17.0	50	10.0	1972	
7	73.2	22.9	82.9	28.3	97	36.1	1955		63.5	17.5	54	12.2	1950	
8	73.9	23.3	83.2	28.4	91	32.3	1973*		64.6	18.1	53	11.7	1950	
9	74.5	23.6	83.8	28.8	97	36.1	1949		65.2	18.4	55	12.8	1964	
10	74.0	23.7	83.4	28.6	99	37.2	1949		65.7	18.7	52	11.1	1964	
11	73.9	23.1	83.3	28.5	98	36.7	1949		63.9	17.7	51	10.6	1972	
12	72.7	22.6	82.5	28.1	93	33.9	1949		62.8	17.1	52	11.1	1974	
13	72.3	22.4	81.4	27.4	96	35.6	1947		63.3	17.4	52	11.1	1971	
14	72.9	22.7	83.1	28.4	93	33.9	1947		62.7	17.1	50	10.0	1964*	
15	73.9	23.3	84.6	29.2	97	36.1	1947		63.3	17.4	47	8.3	1964	
16	73.3	23.1	83.1	28.4	95	35.0	1959		63.9	17.7	51	10.6	1972	
17	72.7	22.6	81.4	27.4	95	35.0	1959		64.0	17.8	56	13.3	1981*	
18	71.4	21.9	81.1	27.3	92	33.3	1956		61.7	16.5	51	10.6	1981	
19	71.3	21.8	81.5	27.5	92	33.3	1954		61.2	16.2	50	10.0	1963	
20	72.1	22.3	82.0	27.8	93	33.9	1959*		62.3	16.8	49	9.4	1949	
21	71.3	21.8	81.5	27.5	97	36.1	1953		61.2	16.2	47	8.3	1949	
22	71.9	22.3	81.2	27.3	92	33.3	1976*		62.0	16.7	50	10.0	1982*	
23	70.3	21.3	80.0	26.7	95	35.0	1964		60.7	15.7	48	8.9	1952	
24	70.4	21.3	80.4	26.9	93	33.9	1947		60.3	15.7	48	8.9	1952	
25	71.2	21.8	81.6	27.6	93	33.9	1968*		60.8	16.0	49	9.4	1971	
26	71.9	22.2	82.5	28.1	101	38.3	1948		61.2	16.2	49	9.4	1977	
27	72.8	22.7	83.1	28.4	99	37.2	1948		62.5	16.9	52	11.1	1963	
28	73.4	23.0	83.6	28.7	102	38.9	1948		63.3	17.4	50	10.0	1968	
29	73.0	23.1	84.1	28.9	96	35.6	1953		63.2	17.3	48	8.9	1982	
30	73.9	23.3	84.7	28.9	101	38.3	1953		63.7	17.6	49	9.4	1965	
31	73.2	22.9	82.8	28.2	100	37.6	1953		63.6	17.6	42	5.6	1976	
Monthly	72.9	22.7	82.5	28.1	102	38.9	1948		63.1	17.3	40	4.4	1982	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1978

LAKEHURST, NJ

1945-1978

1980-1982

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	72.1	22.3	81.5	27.5	97	36.1	1953	62.6	17.0	43	6.1	1949
2	71.5	21.9	80.9	27.2	100	37.8	1953	62.1	16.7	43	6.1	1949
3	70.3	21.3	79.7	26.5	98	36.7	1953	60.8	16.0	34	3.3	1949
4	69.4	20.8	79.4	26.3	93	33.3	1964	59.4	15.2	35	1.7	1949
5	69.3	20.7	78.8	26.0	97	32.2	1973*	59.9	15.5	35	1.7	1949
6	68.7	20.4	78.4	25.9	90	32.2	1973	59.1	15.1	30	-1.1	1949
7	68.4	20.2	78.6	25.9	90	32.2	1969	58.2	14.6	39	3.9	1949
8	68.1	20.0	78.5	25.8	91	32.2	1946	57.5	14.2	43	6.1	1949
9	67.8	19.9	78.2	25.7	92	33.3	1964	57.4	14.1	46	7.8	1954
10	67.4	20.2	78.8	26.0	93	33.3	1965	58.0	14.4	43	6.1	1975
11	67.3	20.0	78.3	25.7	93	33.3	1964	57.8	14.3	46	7.8	1969
12	67.3	19.6	77.7	25.4	92	33.3	1952	56.9	13.8	42	5.6	1958
13	66.6	19.2	77.6	25.3	95	35.7	1952	55.6	13.1	43	6.1	1967
14	67.1	19.5	77.0	25.0	91	32.3	1981	57.1	13.9	42	5.6	1975
15	65.1	18.8	75.5	24.3	90	32.2	1947	56.2	13.4	39	3.9	1949
16	65.7	18.7	75.1	23.9	91	32.3	1977	56.3	13.5	35	1.7	1949
17	65.1	18.4	74.2	23.4	90	32.2	1972*	56.0	13.3	35	1.7	1949
18	66.3	19.1	76.2	24.6	88	31.1	1965	56.3	13.5	39	3.9	1959
19	65.1	18.8	75.4	24.1	87	31.7	1946	56.2	13.4	40	4.4	1959
20	65.3	18.4	74.1	23.4	88	31.1	1965	56.3	13.5	39	3.9	1949
21	64.2	17.9	73.3	22.7	91	32.3	1965	55.1	12.8	32	.0	1949
22	64.3	17.9	74.4	23.6	93	33.9	1970	54.2	12.3	40	4.4	1962
23	62.5	16.9	72.0	22.2	92	33.3	1970	52.9	11.6	38	3.3	1947
24	61.7	16.4	71.3	21.5	90	32.2	1968*	51.6	10.9	36	2.2	1974
25	61.4	16.3	71.3	21.5	91	32.3	1970	51.5	10.8	36	2.2	1950
26	62.4	16.9	73.1	22.8	91	32.3	1970	51.6	10.9	39	3.3	1963
27	61.4	16.6	72.4	22.4	86	30.0	1981	51.4	10.8	34	1.1	1957
28	60.2	16.8	71.5	21.9	86	30.3	1954*	52.9	11.6	36	2.2	1957
29	60.3	15.7	70.0	21.1	88	31.1	1945	50.6	10.3	32	.0	1949
30	64.5	15.3	69.3	20.7	86	30.0	1953	49.6	9.8	32	.0	1949
31												
Monthly	65.3	18.8	75.7	24.3	100	37.8	1953	56.0	13.3	30	-1.1	1949

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1970

LAKEHURST, NJ

1945-1979 1980-1982

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C			
1	57.7	15.8	71.1	21.2	87	28.3	1954	50.9	10.5	32	.0	1947		
2	57.4	15.8	71.7	21.9	85	29.4	1952*	50.1	10.1	36	2.2	1972		
3	56.5	15.3	71.2	21.2	86	30.7	1968*	48.9	9.4	32	.0	1974		
4	56.7	14.4	65.5	27.3	87	30.6	1954	47.6	9.7	30	-1.1	1974		
5	56.4	15.2	70.3	21.3	86	30.0	1967	48.4	9.1	33	.6	1945		
6	56.6	15.3	70.5	21.4	91	32.2	1959	48.8	9.3	32	.0	1968*		
7	56.3	15.0	69.3	20.7	85	29.4	1963*	48.9	9.3	35	1.7	1954		
8	56.1	14.6	69.3	20.2	85	29.4	1992	48.1	8.9	33	.6	1953		
9	56.3	14.4	67.7	19.8	83	28.3	1959	48.3	9.1	34	1.1	1953		
10	56.6	13.7	66.6	19.2	85	29.4	1958	46.6	8.1	34	1.1	1972		
11	56.3	13.4	66.5	19.2	85	29.4	1954	46.0	7.8	31	-6	1982*		
12	56.4	13.6	67.1	19.4	87	30.6	1954	45.8	7.7	31	-6	1964		
13	55.6	13.1	65.9	18.8	91	32.2	1954	45.2	7.3	33	.6	1957		
14	56.7	13.7	67.8	19.9	84	28.9	1975	45.6	7.6	34	1.1	1981*		
15	56.5	14.6	69.9	21.1	84	28.9	1975	46.7	8.2	32	.0	1945		
16	56.4	13.3	68.1	20.1	84	28.9	1958*	45.5	7.5	33	.6	1981*		
17	56.1	13.3	66.3	19.1	81	27.2	1968*	45.6	7.6	31	-6	1982		
18	55.1	12.8	56.1	18.9	74	26.1	1968*	43.5	6.6	26	-3.3	1982		
19	53.5	11.9	53.7	17.6	83	28.3	1963*	43.3	6.3	25	-3.9	1976		
20	52.2	11.8	53.7	17.6	79	26.1	1969*	42.5	6.0	26	-3.3	1974*		
21	52.9	11.6	53.5	17.5	86	30.0	1947	42.3	5.7	22	-5.6	1952		
22	53.7	12.1	54.3	17.8	87	26.7	1975	43.4	6.3	29	-1.7	1974		
23	55.0	12.8	55.0	18.3	84	28.9	1947	44.9	7.2	27	-2.8	1969		
24	53.5	11.9	53.1	17.3	82	27.8	1946	43.9	6.6	17	-8.3	1969		
25	52.1	11.1	50.3	16.0	77	25.0	1963	43.3	6.3	30	-1.1	1962		
26	52.5	11.4	51.6	16.4	77	25.0	1963	43.4	6.3	29	-1.7	1952		
27	52.0	11.6	52.7	17.1	83	28.3	1963	43.1	6.2	27	-2.8	1976		
28	52.2	11.2	52.3	16.3	78	25.6	1971*	42.2	5.7	24	-4.4	1976		
29	52.3	11.3	52.4	16.7	78	25.6	1971*	42.2	5.7	28	-2.2	1965		
30	51.1	10.6	51.0	16.1	83	28.3	1946	41.1	5.1	27	-2.8	1962		
31	53.0	11.7	52.6	17.7	83	28.3	1946	43.4	6.3	29	-3.9	1966		
Monthly	55.1	13.2	56.0	18.9	91	32.2	1959*	45.5	7.5	17	-8.3	1969		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

1979

LAKE HURST, NJ

1945-1978 1980-1982

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	52.7	11.5	61.3	16.3	83	28.3	1950	44.2	6.8	27	-2.8	1968
2	53.7	12.1	62.7	17.1	83	28.3	1982*	44.6	7.0	27	-2.8	1976
3	53.7	11.7	61.8	16.6	78	25.6	1982	44.1	6.7	24	-4.4	1980
4	51.5	10.8	59.9	15.5	78	25.6	1961	43.1	6.2	26	-3.3	1951
5	48.7	9.3	58.1	14.5	81	27.2	1961	39.3	4.1	25	-3.9	1951
6	47.4	8.6	56.5	13.6	80	26.7	1974	38.2	3.5	25	-3.9	1980*
7	47.2	9.0	57.6	14.2	76	24.4	1975	38.8	3.8	24	-4.4	1982
8	47.4	9.1	57.7	14.3	76	24.4	1975	39.2	4.7	23	-5.0	1967
9	47.4	8.9	57.8	13.9	75	23.7	1975	39.1	3.9	23	-5.0	1976*
10	47.5	8.3	55.1	12.8	72	22.2	1948	38.8	3.8	24	-4.4	1956
11	47.4	7.4	54.7	12.6	72	22.2	1949	36.1	2.3	21	-6.1	1973
12	47.1	8.4	57.0	13.9	75	23.9	1964	37.2	2.9	25	-3.9	1977
13	47.4	8.0	55.0	12.9	74	23.3	1945	37.7	3.2	26	-3.3	1971
14	46.7	8.2	56.1	13.4	72	22.2	1955	37.3	2.9	24	-4.4	1977
15	45.8	7.8	55.1	12.8	79	26.1	1974	36.9	2.7	21	-6.1	1967
16	47.5	8.3	56.7	13.7	74	23.3	1951	37.2	2.9	19	-7.2	1967
17	45.5	7.7	54.9	12.7	65	20.6	1953	36.9	2.7	17	-8.3	1987
18	44.7	7.1	53.2	11.8	75	23.9	1963	36.2	2.3	22	-5.6	1959
19	44.7	6.8	53.4	11.9	71	21.7	1953	35.2	1.8	24	-4.4	1980*
20	43.4	6.3	52.8	11.7	75	23.3	1948	34.7	1.1	17	-7.2	1951
21	42.4	5.8	51.4	10.8	67	20.0	1953	33.4	.8	19	-7.2	1951
22	42.5	5.8	51.1	10.6	70	21.1	1953	33.8	1.0	17	-7.8	1967
23	41.7	5.4	51.1	10.6	71	21.7	1982	32.3	.2	16	-8.9	1964
24	42.5	5.9	51.9	11.1	68	20.0	1968*	33.2	.7	20	-6.7	1976
25	41.1	5.1	50.6	10.3	74	23.3	1973	31.6	-.2	2	-6.7	1956
26	42.7	5.9	51.7	10.9	73	22.8	1946	33.6	.9	22	-5.6	1949
27	43.1	6.2	52.4	11.3	68	20.0	1959	33.8	1.0	18	-7.8	1949
28	42.5	6.2	52.1	11.2	71	21.7	1973	33.5	.8	16	-8.9	1982
29	45.5	4.9	49.2	9.6	70	21.1	1974	32.5	.3	15	-9.4	1955
30	37.7	3.2	45.5	7.5	72	22.2	1974	29.8	-1.2	14	-10.0	1976
31												
Monthly	45.5	7.7	54.3	12.7	83	28.3	1982*	36.7	2.6	14	-10.0	1976

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 14-00057, NJ
STATION NAME

1745-1982
YEARS

DECEMBER
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	25.1	2.1	44.5	6.7	63	17.2	1962	27.1	-2.7	10	-12.2	1976
2	22.1	2.8	45.9	7.7	64	17.8	1970	28.3	-2.1	14	-10.0	1946
3	20.9	3.9	42.3	9.1	62	20.6	1950	29.7	-1.3	7	-13.9	1976
4	20.9	4.4	42.7	9.3	74	23.3	1982	31.1	-0.5	9	-12.4	1976
5	20.4	4.7	49.0	9.4	77	25.7	1982	31.8	-0.1	16	-8.9	1966
6	20.1	4.5	42.4	9.1	61	20.0	1982	31.8	-0.1	17	-9.3	1954
7	20.7	4.2	42.0	8.9	73	22.8	1956*	31.0	-0.6	12	-11.1	1954
8	20.3	4.1	47.9	8.8	71	21.7	1966	30.7	-0.7	9	-12.8	1977
9	20.3	3.4	46.4	8.0	73	22.8	1966	29.9	-1.2	12	-11.1	1976
10	20.9	2.5	44.4	6.9	73	22.7	1966	28.5	-1.9	8	-13.3	1968
11	20.7	2.3	44.5	6.9	67	19.4	1971	27.8	-2.3	7	-13.9	1958
12	20.6	2.6	44.5	6.9	71	21.7	1979	28.8	-1.8	8	-13.3	1977
13	20.6	2.6	44.6	7.7	64	17.8	1946	27.9	-2.3	7	-13.9	1960
14	20.1	1.6	42.7	5.9	59	15.7	1953	26.8	-2.9	5	-15.0	1976
15	20.1	1.2	42.3	5.7	60	20.6	1971	25.9	-3.4	10	-12.2	1962
16	20.1	1.2	41.6	5.3	71	21.1	1971	26.5	-3.1	10	-12.2	1961
17	22.0	.3	41.1	5.1	56	13.3	1966*	24.2	-4.3	4	-15.6	1961
18	22.0	.4	41.2	5.1	62	16.7	1949	24.2	-4.3	5	-15.0	1945
19	21.0	-0.1	39.5	4.2	59	15.0	1957	24.1	-4.4	11	-11.7	1973
20	20.0	.5	40.9	4.9	61	16.1	1957	24.8	-4.0	9	-12.8	1955
21	20.0	.7	41.2	5.1	60	15.6	1951	25.2	-3.8	5	-15.0	1955
22	22.0	.3	39.7	4.3	64	17.8	1949	25.6	-3.6	6	-14.4	1958*
23	23.0	.9	42.6	5.9	64	17.8	1981	24.4	-3.9	3	-16.1	1960
24	20.1	1.2	41.1	5.1	65	18.3	1982	27.0	-2.8	7	-13.9	1960*
25	20.0	1.1	42.7	5.9	71	21.7	1982	25.1	-3.8	9	-12.8	1975
26	20.3	1.3	42.6	5.9	65	18.3	1982*	26.7	-3.3	9	-12.8	1948
27	22.0	.2	39.9	4.4	65	18.3	1949	24.7	-4.1	4	-15.6	1948
28	24.0	1.4	43.5	6.4	61	20.0	1982	25.9	-3.4	4	-15.6	1950
29	23.0	1.1	41.9	5.5	64	17.8	1982	25.9	-3.4	11	-11.7	1977
30	23.0	.9	42.1	5.6	61	16.1	1971	25.1	-3.8	3	-16.1	1962
31	22.0	.3	40.7	4.8	66	18.9	1965	24.2	-4.3	2	-16.7	1962
Monthly	20.4	1.9	43.6	6.4	71	25.0	1982	27.1	-2.7	2	-16.7	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

147 STATION LAKEHURST, NJ 45-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		60	89	85	90	99	97	93	91	83	76	59	
46	68	69	80	83	89	93	98	90	91	86	73	72	98
47	71	52	64	80	89	92		97	91	86		53	
48	46	64		80	90	98	93	102	92	78	79	60	
49	66	76	80	90		97	99	89	85		72		
50	76	53	69	80	89	95	96	93	90	85	83	69	96
51	70	71	65	84	90	91	95	91	91	85	74	73	95
52	65	54	71	85	87	100	99	92	95	85	70	60	100
53	66	69	67	88	98	95	100	101	100	80	74	63	101
54	64	76	74	87	84	93	102	92	90	90	68	54	102
55	53	61	73	84	90	91	102	101	85	82	72	57	102
56	54	62	66	86	93	99	94	92	89	80	73	73	99
57	65	66	77	88	91	96	100	94	94	78	68	61	100
58	56	51	55	82	84	94	96	92	90	85	68	57	96
59	62	58	71	86	92	97	93	95	91	90	77	59	97
60	63	66	78	89	82	90	92	93	87	81	71	65	93
61	57	71	76	96	87	94	94	92	94	80	81	59	94
62	59	67	77	89	95	93	93	92	90	84	61	63	95
63	62	55	79	81	90	97	96	89	86	85	75	56	97
64	57	54	76	84	93	97	96	95	93	77	75	68	97
65	59	60	63	78	94	96	93	90	93	78	70	66	96
66	61	59	69	76	86	95	100	91	90	79	71	73	100
67	70	65	72	83	81	93	92	89	84	86	70	63	91
68	56	52	78	80	85	93	98	94	92	86	74	63	98
69	53	42	73	86	92	98	92	91	92	79	70	61	98
70	57	58	69	81	90	90	92	92	93	82	66	65	93
71	57	71	72	78	89	92	93	90	89	79	78	70	91
72	61	65	78	84	84	87	94	92	90	71	67	62	94
73	67	60	71	86	92	93	92	96	93	82	77	68	96
74	68	62	75	89	90	96	95	91	89	80	80	61	96
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

STATION	STATION NAME	YEARS
14733	LAKHURST, NJ	45-32

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
5	66	62	65	76	92	93	91	98	62	94	76	66	98
76	65	74	80	93	95	94	90	92	90	78	63	57	94
77	49	73	85	88	92	90	100	94	91	76	70	60	100
78	63	47	74	83	90	94	95	67	85				
79												71	
80									95		62		
1	52	72	78	86	92	96	97	92	91	77	74	64	97
2	59	64	68	83	86	91	96	89	90	85	83	77	96
MEAN	61.2	62.1	73.0	83.8	88.7	94.2	95.6	93.5	90.4	81.8	72.8	64.2	96.9
S. D.	6.673	8.238	6.715	3.941	3.605	2.977	3.247	3.440	3.475	4.152	5.140	5.413	2.675
TOTAL OBS.	1085	1016	1085	1080	1085	1080	1085	1116	1110	1054	1050	1085	12931

SMOS

EXTREME VALUES

14780
STATION

LAKEHURST, NJ

45-95

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

14730

LAKELAND, NJ

45-32

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45		5	25	31	40	40	50	54	47	32	22	5	
46	10	10	20	30	40	46	52	52	47	37	24	12	10
47	10	4	13	25	32	45		55	35	32		11	
48	4-	7		29	36	45	54	54	44	27	28	4	
49	19	12	15	32		46	56	47	30		18		
50	15	7	7	24	39	44	52	51	36	32	23	4	4
51	15	9	22	33	39	45	54	49	35	36	17	4	4
52	3	16	15	31	40	51	52	48	45	22	22	12	3
53	20	15	16	33	43	48	53	54	41	33	26	11	11
54	0	8	18	22	37	45	53	52	44	34	23	12	0
55	6	1-	17	33	39	45	54	54	43	35	15	5	1-
56	12	13	16	27	36	46	54	52	39	34	20	14	1-
57	0	17	21	29	34	45	52	50	34	32	24	11	
58	9	5	26	29	40	40	59	52	40	33	17	6	
59	8	7	19	33	39	49	53	54	39	29	22	7	
60	16	17	10	30	36	47	54	51	46	32	23	3	
61	1-	7-	15	28	37	47	55	50	39	30	26	10	7-
62	9	1	10	24	36	49	53	53	37	27	26	0	1
63	1	0	25	33	35	47	54	50	38	36	27	3	
64	4	13	23	20	40	45	55	47	42	30	16	12	4
65	0	5	14	24	43	48	52	44	41	28	24	14	0
66	4	5	18	25	31	45	53	56	41	25	26	9	4
67	10	1-	3	28	36	42	56	56	39	29	13	15	1-
68	1-	5	16	27	37	46	51	50	46	27	23	5	1-
69	5	12	15	20	38	44	56	50	40	17	18	13	5
70	2	5	19	27	35	49	57	53	40	33	20	9	2
71	2	1-	22	27	37	50	49	49	45	39	23	15	1-
72	3	8	17	24	37	40	53	50	42	25	18	16	3
73	8	4	26	31	38	52	54	52	46	34	21	11	4
74	7	8	18	28	34	49	50	52	36	26	26	21	7
MEAN													
S. D.													
TOTAL OBS.													

SMOS

EXTREME VALUES

ASHEVILLE, NORTH CAROLINA

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

147.0

LAKENHURST, NJ

45-32

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

SMOS

EXTREME VALUES

14735
STATION

LAKEHURST, NJ

45-62

STATION NAME

YEARS

[illegible]

SMOS

PSYCHROMETRIC SUMMARY

14730 LAKEHURST, NJ 73-82 JAN

PAGE 1
HOURS (L S Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
68 / 67							.0			.0								2	2		
66 / 65			.0		.0	.0	.0											4	4		
64 / 63		.1		.0		.0	.0											4	4		
62 / 61		.2			.1	.0	.0		.0									9	9	3	
60 / 59	.0	.0	.1	.0	.0		.0	.0	.0									9	9	7	5
58 / 57	.1	.4	.2	.1		.0	.0		.0									19	19	7	9
56 / 55	.1	.7	.1	.3	.1	.1	.0											33	33	21	11
54 / 53	.5	.3	.1	.0	.0													21	21	30	27
52 / 51	.1	.4	.2	.0	.2	.1	.0											23	23	17	16
50 / 49	.1	.3	.3	.0	.5	.3	.0											33	33	20	13
48 / 47	.0	.3	.3	.5	.5	.2												39	39	19	10
46 / 45	.1	.5	.4	.6	.6	.1												50	50	18	20
44 / 43	.2	.8	.9	.9	.6	.2												73	73	39	19
42 / 41	.5	1.0	.9	1.4	.5	.1												91	91	63	23
40 / 39	.5	1.2	1.4	1.9	.3	.1												112	112	76	49
38 / 37	.3	1.6	1.3	1.2	.2	.0												95	95	104	37
36 / 35	.3	1.8	1.9	1.6	.3													122	122	107	46
34 / 33	.8	1.9	2.4	1.2	.1													133	133	137	79
32 / 31	1.0	2.3	2.8	1.0	.2													151	151	139	119
30 / 29	.5	3.3	2.1	.5	.1													135	135	154	95
28 / 27	1.0	2.7	2.5	.8	.0													147	147	165	102
26 / 25	.6	2.2	2.2	.5														114	114	138	119
24 / 23	.3	2.9	2.7	.3														128	128	129	147
22 / 21	.4	2.0	2.2	.2														100	100	120	130
20 / 19	.4	1.8	2.1	.2														92	92	110	127
18 / 17	.5	1.9	1.0	.1														72	72	108	92
16 / 15	.4	1.7	1.0	.1														65	65	80	95
14 / 13	.4	1.3	.9															52	52	69	84
12 / 11	.1	1.0	.4															32	32	43	87
10 / 9	.2	.9	.5															35	35	43	94
8 / 7		.5	.2															15	15	26	81
6 / 5	.0	.5	.1															14	14	18	73
4 / 3		.4																8	8	14	41
2 / 1		.2																4	4	8	39
Element (X)	ΣX²		ΣX		X̄		σx		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

147P6 LAKELHURST, NJ 73-82 FEB MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74 / 73											.1							1	1						
72 / 71							.1			.1								2	2						
70 / 69						.1												1	1						
68 / 67				.1						.1								2	2						
66 / 65					.1	.1		.1	.1	.1								7	7						
64 / 63			.1				.1	.1	.2	.1								6	6						
62 / 61		.1			.1		.1	.2	.1									9	9	1					
60 / 59		.2	.1	.2	.2	.1	.1	.2										17	17	6	1				
58 / 57	.1	.4	.2	.2	.2	.1	.3	.3										30	30	9	7				
56 / 55		.5	.1	.1	.5	.1	.1											25	25	13	12				
54 / 53		.6	.3	.2	.3	.3	.3											34	34	19	6				
52 / 51	.1	.6	.2	.1	.4	.2	.2											31	31	22	14				
50 / 49	.1	.5	.3	.4	.8	.4	.2	.1										50	50	32	20				
48 / 47		.6	.5	.5	1.2	.6	.1											66	66	35	27				
46 / 45	.1	.9	.5	.4	1.0	.3	.3											65	65	45	21				
44 / 43	.3	.5	.4	1.0	1.0	.5	.2											72	72	56	24				
42 / 41	.4	.9	.5	.9	1.1	.4	.1											78	78	57	34				
40 / 39	.2	1.2	.9	1.6	1.0	.4												98	98	81	35				
38 / 37	.4	1.5	1.6	1.5	.9	.1												112	112	88	49				
36 / 35	.3	1.6	2.4	1.4	1.0	.2												116	116	102	43				
34 / 33	.4	1.6	1.9	2.4	.3	.1												123	123	130	66				
32 / 31	.3	1.4	1.3	1.8	.3													95	95	137	70				
30 / 29	.1	1.9	2.3	1.5	.2													111	111	104	77				
28 / 27	.2	1.7	2.7	1.1														107	107	125	100				
26 / 25	.8	1.4	3.2	.6	.1													111	111	141	104				
24 / 23	.3	1.9	3.0	.2	.1													102	102	117	104				
22 / 21	.4	2.5	2.2	.1														95	95	119	91				
20 / 19	.4	2.0	1.7	.1														78	78	127	88				
18 / 17	.4	1.5	.9															53	53	67	100				
16 / 15	.4	1.1	.8															42	42	67	132				
14 / 13	.6	.9	.3															33	33	45	136				
12 / 11	.2	1.1	.4															32	32	32	103				
10 / 9	.3	.8	.1															23	23	37	93				
8 / 7	.1	.3	.1															9	9	18	69				
Element (X)	ΣX ²			ΣX			\bar{X}	σ _x	No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.												≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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PSYCHROMETRIC SUMMARY

459

YEARS

MONTH

PAGE 2

HOURS (L S Y)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14730 LAKEHURST, NJ 73-82 MAG MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
84 / 83										.0									1	1				
82 / 81										.0									2	2				
80 / 79										.1	.0								3	3				
78 / 77								.0	.0										2	2				
76 / 75										.1									2	2				
74 / 73					.0				.0	.0									3	3				
72 / 71						.0	.1	.1		.1									8	8				
70 / 69						.1	.1	.1		.0	.0								9	9				
68 / 67				.0	.1		.1		.0	.0									9	9	1			
66 / 65				.1	.1	.2		.3		.1									19	19	4			
64 / 63		.0	.1	.3	.4	.3	.2	.0	.3										35	35	4			
62 / 61		.1		.2	.1	.2	.2	.1	.1	.0									27	27	4	1		
60 / 59		.1	.3	.2	.2	.1	.3	.1	.1	.1									34	34	23	4		
58 / 57	.1	.5	.4	.5	.3	.6	.3	.4	.1	.1									70	70	21	12		
56 / 55	.2	.7	.2	.4	.3	.7	.5	.3	.0										71	71	48	17		
54 / 53	.4	.7	.4	.5	.5	.6	.7	.4											89	89	50	41		
52 / 51	.2	1.0	.3	.5	.8	.7	.7	.3	.0										93	93	54	38		
50 / 49	.4	.7	.9	.9	.9	.7	.7	.1											112	112	72	41		
48 / 47	.3	1.2	.6	1.0	1.2	1.2	.8	.0											120	130	84	61		
46 / 45	.7	1.4	1.3	1.6	1.0	1.3	.1	.0											153	153	113	61		
44 / 43	.7	1.5	1.3	1.2	1.7	1.0													149	149	121	65		
42 / 41	.9	1.2	1.1	1.2	1.5	.5	.1												132	132	154	70		
40 / 39	1.4	1.5	1.4	2.1	1.9	.2													174	174	192	92		
38 / 37	.6	.9	1.9	2.1	.9	.1													133	133	154	117		
36 / 35	.7	.9	1.8	1.8	1.2	.1													135	135	166	93		
34 / 33	.5	1.6	1.8	1.2	.3	.0													110	110	173	112		
32 / 31	.4	1.3	.8	.8	.3														76	76	155	117		
30 / 29	.2	.9	1.4	.8	.1														70	70	120	112		
28 / 27	.2	1.3	1.4	.6	.0														71	71	87	128		
26 / 25	.1	.6	.9	.2															38	38	78	121		
24 / 23	.1	.3	.9	.1															28	28	59	121		
22 / 21		.6	.6	.1															27	27	38	111		
20 / 19		.1	.2	.0															9	9	26	112		
18 / 17	.0	.1	.2																9	9	20	91		
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

LAKEHURST, NJ

73-92

MAD

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L S T)

[illegible]

PSYCHROMETRIC SUMMARY

14745	LAKEHURST, NJ	73-92	APR
STATION	STATION NAME	YEARS	MONTH

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point												
92 / 91														.1				2	2													
90 / 89														.1				1	1													
88 / 87												.2		.1				4	4													
86 / 85										.1	.2	.2		.1				10	10													
84 / 83									.1	.1								4	4													
82 / 81									.1	.2	.1	.1			.1			6	8													
80 / 79							.1	.1	.3	.2	.2	.2		.1				13	18													
78 / 77							.1	.3	.2		.2		.1					14	14													
76 / 75						.1	.1	.4	.1	.1	.1	.2						19	19													
74 / 73					.1	.2	.3		.1	.2	.2	.2						23	23													
72 / 71				.1	.2	.4	.3	.1	.2	.3	.1							28	26													
70 / 69				.4	.3	.4	.3	.3	.2	.2								41	41	1												
68 / 67		.1	.1		.5	.1	.4	.3	.3	.4	.3	.1						45	45	6												
66 / 65			.2	.3	.5	.3	.4	.3	.4	.3	.1							52	52	21												
64 / 63		.4	.3	.7	.3	.3	.7	.5	.6	.6								94	84	36												
62 / 61	.2	.6	.5	.5	.7	.5	.6	.9	.7	.1	.1							102	102	50												
60 / 59	.2	.8	.8	.4	.6	.7	.9	1.2	.7	.2								125	125	63												
58 / 57	.5	.9	.7	.6	.7	.5	1.2	1.7	.4									123	123	76												
56 / 55	.2	.9	.5	.6	.6	1.1	1.4	1.3	.1									132	132	79												
54 / 53	.3	.7	.6	.7	.9	1.4	.6	.6	.1									112	112	95												
52 / 51	.5	.8	.8	.7	1.3	1.4	.9	.3										129	129	114												
50 / 49	.4	1.5	1.2	.8	1.4	1.4	.9	.1										150	150	119												
48 / 47	.5	1.9	1.5	1.3	1.4	1.3	.5											167	167	158												
46 / 45	.6	.9	1.6	1.3	1.6	1.3	.3	.1										149	149	198												
44 / 43	.4	1.1	1.3	1.5	.8	.6	.1											115	115	191												
42 / 41	.6	.7	.9	.8	.7	.2	.1											77	77	184												
40 / 39	.5	.7	.8	.4	.8	.1												63	63	159												
38 / 37	.2	.4	.5	.9	.4	.2												47	47	133												
36 / 35	.2	.2	.7	.6	.2													33	33	77												
34 / 33	.1	.5	1.2	.4	.2													45	45	60												
32 / 31	.1	.1	.6	.6	.2													29	29	56												
30 / 29		.2	.4	.1	.1													16	16	42												
28 / 27			.2	.1														5	5	27												
26 / 25		.1	.2	.1														5	5	21												
Element (X)	ΣX ²			ΣX			X̄			σ _x			No. Obs.			Mean No. of Hours with Temperature																
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																																
Wet Bulb																																
Dew Point																																

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14730 LAKETHURST, NJ 73-82 MAY

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
92 / 91									.0	.0	.0							3	3														
90 / 89									.0	.2	.1	.1		.0				11	11														
88 / 87									.0	.1	.1	.1		.1				10	10														
86 / 85								.0	.1	.1	.0	.2		.0				11	11														
84 / 83						.1	.1	.2	.1	.3		.2						22	22														
82 / 81					.1	.2	.2	.4	.5	.2	.2		.0					38	38														
80 / 79					.2	.6	.3	.3	.4	.3	.1	.0	.0					35	35														
78 / 77				.1	.3	.8	.4	.3	.4	.3	.2							57	57														
76 / 75			.1	.1	.5	.5	.4	.5	.3	.4	.2	.0	.1					67	67		1												
74 / 73			.2	.6	.4	.4	.3	.3	.4	.5	.3	.2						76	76		13												
72 / 71		.1	.4	.8	.8	.4	.4	.4	.6	.2	.2							92	92		21											1	
70 / 69	.0	.3	.6	.7	.4	.8	.3	.3	.9	.5	.1							116	116		48												
68 / 67	.3	.4	1.1	1.0	.5	.6	.7	1.0	.4	.0	.0							125	125		97											35	
66 / 65	.3	.8	.9	.9	.7	.6	.8	.9	.5	.1								134	134		108											51	
64 / 63	.6	1.1	1.1	1.0	.6	.9	.8	.3	.4									140	140		108											76	
62 / 61	.8	1.3	.9	.6	.6	1.1	1.1	.5	.2									146	146		133											119	
60 / 59	1.3	2.2	1.4	.9	1.0	.9	.5	.4										180	180		172											120	
58 / 57	1.0	2.0	.9	.9	1.2	.7	.6	.3										156	156		167											136	
56 / 55	.7	2.1	1.3	1.6	.7	.6	.2	.0										147	147		191											135	
54 / 53	1.3	1.8	1.6	1.5	.9	.4	.2	.0										155	155		210											157	
52 / 51	1.2	1.3	1.1	.9	.5	.3	.1	.1										112	112		210											139	
50 / 49	.4	.7	.7	.5	.3	.2	.1											61	61		176											125	
48 / 47		1.2	.9	.5	.4		.0											61	61		122											119	
46 / 45	.0	1.3	.4	.4	.0													44	44		104											122	
44 / 43	.1	.6	.2	.0	.1													23	23		73											158	
42 / 41	.0	.1	.2	.1	.1													12	12		46											134	
40 / 39	.0	.3	.0		.0													10	10		23											97	
38 / 37		.0																1	1		13											76	
36 / 35		.0																1	1		7											61	
34 / 33																					3											57	
32 / 31																																	39
30 / 29																																	33
28 / 27																																	25
26 / 25																																	4
Element (X)	ΣX^2			ΣX			\bar{X}			σ_x			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total											
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

NAVWEASERVCOM

3

STATION

STATION NAME

YEARS

MONTE

HOURS (L S T)

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14730 LAKEHURST, NJ 73-82 JUN NORTH

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point				
94 / 93							.2					.1						4	4						
92 / 91							.1	.2	.2	.1	.1		.1					12	12						
90 / 89						.1		.2	.2	.4	.3	.1						22	22						
88 / 87					.1	.1	.3	.5	.3	.5								33	33						
86 / 85						.7	.2	.6	.4	.3	.2	.1						36	36						
84 / 83				.1	.1	.6	.9	.8	.4	.5	.3							70	70						
82 / 81			.1		.7	.8	1.0	.6	.8	.2	.1							82	82	4					
80 / 79			.4	.2	.9	1.0	.7	.7	.6	.4	.3							98	98	4	1				
78 / 77			.2	.8	1.6	.6	.8	.9	.9	.6	.2							128	128	9	4				
76 / 75		.3	.7	1.0	1.2	1.2	.9	.8	.7	.3	.1							138	138	34	9				
74 / 73	.1	.6	1.2	1.4	1.1	1.0	.7	.6	.6	.2								145	145	72	9				
72 / 71	.3	1.2	1.3	1.2	.6	.6	.8	.6	.4	.2								138	138	145	48				
70 / 69	.8	1.6	1.7	1.8	.8	.9	.9	.5	.2	.1								179	179	198	111				
68 / 67	1.2	2.1	1.7	.9	1.3	.9	.7	.5	.5	.1								188	188	206	163				
66 / 65	1.0	1.6	1.5	.6	.9	.7	.6	.3	.1									141	141	209	178				
64 / 63	1.5	1.9	1.1	1.5	.8	.7	.2	.2	.1									155	155	197	186				
62 / 61	1.1	1.6	1.0	.8	.8	.3	.1	.1										111	111	206	167				
60 / 59	.4	2.4	1.2	1.3	.3	.1	.2											114	114	167	170				
58 / 57	.3	2.0	.8	.6	.7	.1												87	87	165	149				
56 / 55	.3	1.5	.6	.5	.2	.1	.1											62	62	145	157				
54 / 53	.1	.5	.2	.5	.1													25	25	106	138				
52 / 51		.2	.1	.1	.1	.1												7	7	53	120				
50 / 49		.2		.1														4	4	36	109				
48 / 47	.1																	1	1	16	82				
46 / 45																				7	59				
44 / 43																				1	38				
42 / 41																					27				
40 / 39																					19				
38 / 37																					17				
36 / 35																					12				
34 / 33																					6				
32 / 31																					1				
TOTAL	6.8	17.5	13.5	13.0	12.1	9.4	9.0	7.7	5.9	3.6	1.2	.2	.1					1980	1980	1980	1980				
Element (X)	Σx²			Σx			x̄		σx		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	10268744			137138			69.3		19.729		1980		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	9898342			138934			70.2		8.692		1980						462.9		279.3		116.7		1.5		720.0
Wet Bulb	7957021			124839			63.1		6.589		1980						244.4		44.7		1.8				720.0
Dew Point	6879685			115547			58.4		8.311		1980				.4		125.5		14.2		.4				720.0

PSYCHROMETRIC SUMMARY

14731 LAKHURST, NJ 73-82 JUL

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
100 / 99										.0		.0		.0				3	3						
98 / 97										.1	.0	.0						8	8						
96 / 95									.1	.1		.1						8	8						
94 / 93					.0		.1	.1	.1	.2	.1							16	16						
92 / 91						.0	.3	.3	.4	.3	.0	.0	.0					31	31						
90 / 89				.0		.2	.4	.7	.7	.5	.1	.1						60	60						
88 / 87			.0			.4	.7	.9	.6	.3	.3							69	69						
86 / 85				.0	.2	.9	1.3	1.0	.7	.9	.4							112	112	1					
84 / 83			.0	.3	.9	1.5	1.6	1.1	.9	.4	.2							143	143	2	2				
82 / 81		.0	.2	.3	1.2	1.2	1.1	.6	.9	.3	.2	.0						129	129	11	2				
80 / 79	.0		.6	1.1	1.6	1.4	.9	.8	.6	.4	.1							155	155	33	1				
78 / 77	.0	.2	1.1	1.8	2.2	.8	1.1	.9	.3	.3	.0							181	181	53	13				
76 / 75	.0	1.3	2.1	2.4	1.2	.8	.9	.6	.6	.2								209	209	133	37				
74 / 73	.3	2.2	2.7	1.6	.7	.7	.5	.7	.3	.1								201	201	234	103				
72 / 71	.5	2.1	2.1	1.3	.8	.5	.5	.2	.2									166	166	284	164				
70 / 69	1.2	3.2	2.2	.8	.4	.4	.3	.0										172	172	313	265				
68 / 67	1.3	1.7	1.5	.8	.3	.2	.1											123	123	268	262				
66 / 65	1.2	1.2	1.1	.9	.3	.2		.0										102	102	216	274				
64 / 63	.6	1.0	.3	.6	.3	.2												62	62	162	189				
62 / 61	.5	.4	.4	.2	.4	.0	.0											42	42	129	144				
60 / 59	.2	.5	.2	.3	.1	.1												33	33	91	138				
58 / 57		.2	.1															7	7	53	112				
56 / 55		.3	.1		.0													10	10	30	102				
54 / 53		.1		.0														3	3	22	65				
52 / 51																				6	52				
50 / 49																				2	54				
48 / 47																				2	31				
46 / 45																					18				
44 / 43																					8				
42 / 41																					6				
40 / 39																					2				
38 / 37																					1				
TOTAL	5.8	14.5	14.8	12.7	10.8	9.7	9.9	8.3	6.7	4.4	1.7	.5	.0	.0				2045	2045	2045	2045				
Element (X)	ΣX²			ΣX			X̄		σx		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	10575564			141914			69.4		18.864		2045		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	11886983			155043			75.8		8.045		2045				649.8	482.1	241.9	12.7	744.0						
Wet Bulb	7567203			139397			68.2		5.649		2045				484.6	169.9	10.6		744.0						
Dew Point	8459293			130717			63.9		7.127		2045				308.9	83.3	1.8		744.0						

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PSYCHROMETRIC SUMMARY

14770 LAKEHURST, NJ 73-92 AUG

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb		Dew Point		
93/ 97											.0								1	1			
96/ 95										.0	.1								4	4			
94/ 93									.7	.2	.2								10	10			
92/ 91								.1	.4	.3	.1								19	19			
90/ 89							.1	.5	1.0	.3	.2	.0							47	47			
88/ 87							.3	1.0	.7	.8	.1		.7						63	63			
86/ 85					.5	1.2	.8	.7	.6	.2	.2	.0							91	91			
84/ 83			.7	.4	1.0	.9	.9	.9	.3	.3	.1								100	100			
82/ 81			.1	1.0	1.5	.9	1.0	.8	.4	.0									117	117	1		
80/ 79		.1	.6	1.4	1.0	1.3	1.4	1.0	.3	.1	.0								150	150	14		
78/ 77		.6	1.5	1.4	.9	.9	1.1	.6	.4	.1									156	156	76	4	
76/ 75	.0	1.9	1.8	1.7	1.2	1.0	.4	.1	.2										172	173	161	43	
74/ 73	.9	2.8	2.3	1.8	1.1	.7	.7	.4	.2										225	227	233	138	
72/ 71	.9	3.7	2.3	1.3	1.2	.4	.5	.1	.1										213	213	273	211	
70/ 69	1.1	3.0	2.0	.8	1.0	.3	.4		.0										179	179	265	290	
68/ 67	1.0	2.9	1.9	.9	.3	.2	.0	.1	.0										151	151	251	210	
66/ 65	.7	2.3	1.1	.9	.5	.2	.1												118	118	226	219	
64/ 63	1.0	1.4	.9	.7	.1	.2	.0												91	91	181	223	
62/ 61	.5	1.3	.5	.4	.1	.0	.0												60	60	130	168	
60/ 59	.1	.5	.7	.1	.1	.0													34	34	97	137	
58/ 57	.0	.4	.4	.1															20	20	55	113	
56/ 55	.1	.2	.2	.7															12	12	40	83	
54/ 53	.0	.0	.0	.1	.0														6	6	21	74	
52/ 51		.0																	1	1	10	55	
50/ 49																					5	25	
48/ 47		.0	.0																2	2	1	25	
46/ 45																					1	5	
44/ 43																					1	7	
42/ 41																						5	
40/ 39																						6	
33/ 37																						1	
TOTAL	6.6	21.3	16.5	13.0	10.7	8.9	9.3	7.0	4.5	1.8	.5	.1								2045		2042	
																			2042		2042		
Element (X)	Σx²		Σx		x̄		σx		No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.	11784614		150820		73.9		17.779		2042		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	11399514		151818		74.2		7.936		2045				618.8	421.3	195.7	5.5	744.0						
Wet Bulb	9486886		138680		67.9		5.797		2042				464.2	176.7	1.1		744.0						
Dew Point	8572271		131557		64.4		6.881		2042				326.5	108.2			744.0						

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PSYCHROMETRIC SUMMARY

14720 LAKEHURST, NJ 73-82 SEP
STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
96 / 95									.1									1	1					
94 / 93									.1									1	1					
92 / 91							.1	.2	.1									6	6					
90 / 89						.1	.2	.1	.1	.2								12	12					
88 / 87					.1		.3	.2			.1	.1						11	11					
86 / 85					.2	.3	.3	.1		.2	.1							19	19					
84 / 83				.1	.3	.4	.4	.3	.2	.2								33	33					
82 / 81			.1	.3	.4	.4	.5	.3	.1	.2								41	41					
80 / 79			.1	.7	.3	.5	.4	.5	.4	.2								59	59	6				
78 / 77			.6	.8	1.0	.5	.7	.4	.3	.1	.1							85	85	17	1			
76 / 75		.4	1.0	.7	.7	1.0	.7	.7	.3	.2								109	109	27	6			
74 / 73	.1	1.2	.8	.9	1.3	1.2	.5	.4	.3									129	129	75	26			
72 / 71	.2	1.2	1.5	.9	1.3	.9	.9	.3	.1	.1								142	142	86	72			
70 / 69	.8	1.7	2.2	.7	1.0	.7	.6	.4	.1									159	159	124	101			
68 / 67	.7	1.3	1.9	1.1	.9	1.1	.6	.4	.1									157	157	152	99			
66 / 65	.8	1.8	1.5	1.6	1.3	.6	.6	.2	.1									166	166	178	132			
64 / 63	.7	2.4	2.1	1.5	.7	.8	.3	.2										171	171	170	133			
62 / 61	1.2	2.7	1.6	1.0	.9	.5	.4	.1										164	164	199	143			
60 / 59	1.4	3.4	1.5	.7	.6	.3	.1											157	157	235	210			
58 / 57	1.1	1.9	1.2	.5	.5	.2	.2											109	109	197	191			
56 / 55	.4	1.4	1.1	.6	.2	.3												78	78	136	156			
54 / 53	.3	1.6	.6	.6		.1												61	61	119	148			
52 / 51	.3	1.0	.6	.4	.1													46	46	91	130			
50 / 49	.3	.5	.3	.2	.1													27	27	68	116			
48 / 47	.1	.3	.1	.1														10	10	44	86			
46 / 45	.1	.4	.3	.1														14	14	24	57			
44 / 43	.1	.2	.1	.1														6	6	16	54			
42 / 41	.2	.1																4	4	11	46			
40 / 39			.1															2	2	1	28			
38 / 37		.1																1	1	3	20			
36 / 35																				1	12			
34 / 33																					10			
32 / 31																					3			
Element (X)	ΣX^2			ΣX			\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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PSYCHROMETRIC SUMMARY

LAKEHURST, NJ

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 2

HOURS (L.S.T.)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14790 STATION LAKELHURST, NJ 73-82 YEARS OCT NORTH

PAGE 1
HOURS (L & T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
86 / 85								.0	.0	.0	.1							1	1					
84 / 83								.1	.0	.1	.1							5	5					
82 / 81								.1	.0	.1								7	7					
80 / 79							.1	.1	.2	.0								9	9					
78 / 77					.1	.1	.2		.2		.2							17	17					
76 / 75				.1	.2	.3	.2	.2	.1	.0								24	24					
74 / 73		.0		.3	.3	.2	.2	.1	.1	.0								27	27					
72 / 71			.2	.3	.5	.3	.2	.3	.2	.0	.0							46	46	3	1			
70 / 69	.1	.3	.4	.5	.1	.6	.5	.5	.2	.1	.0							73	73	18	2			
68 / 67	.1	.4	.3	.4	.3	.8	.6	.6	.0									73	73	31	11			
66 / 65	.3	.8	.6	.5	.6	.6	.6	.0	.2									90	90	69	29			
64 / 63	.2	1.2	.7	.7	.5	.5	.5	.1	.1									94	94	55	49			
62 / 61	1.1	1.6	.2	1.0	1.3	.7	.5	.2	.1									140	140	98	62			
60 / 59	.6	2.2	1.1	1.0	1.1	.9	.7	.2										159	159	107	96			
58 / 57	1.0	1.8	1.3	1.0	1.3	1.0	1.0	.3										177	177	143	90			
56 / 55	.4	1.9	2.0	1.6	1.1	1.2	.4	.1										178	178	146	90			
54 / 53	.5	1.0	1.5	1.4	.8	.9	.4											134	134	165	98			
52 / 51	.3	2.0	1.7	1.7	1.4	.9	.1											164	164	140	102			
50 / 49	.2	1.1	1.5	1.0	1.1	.2	.0											109	109	169	126			
48 / 47	.4	1.9	1.3	1.1	.6	.3												115	115	166	143			
46 / 45	.5	1.1	1.5	.7	.7	.1												97	97	171	148			
44 / 43	.2	.9	1.2	.7	.3	.0												72	72	141	136			
42 / 41	.3	1.3	1.2	.4	.2													68	68	115	115			
40 / 39	.4	.7	.6	.3	.2													45	45	85	128			
38 / 37	.3	.6	.6	.3														37	37	79	118			
36 / 35	.2	.5	.3	.3														27	27	44	117			
34 / 33	.2	.7	.3	.1														27	27	39	94			
32 / 31	.1	.3	.2															14	14	25	94			
30 / 29	.0	.2	.0															7	7	18	52			
28 / 27	.1	.2	.0															7	7	10	43			
26 / 25	.0																	1	1	7	37			
24 / 23	.0																	1	1	1	26			
22 / 21																					21			
20 / 19																					14			
Element (X)	ΣX^2			ΣX			\bar{X}	σ_x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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PSYCHROMETRIC SUMMARY

007

NOTE

PAGE 2

[illegible]

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PSYCHROMETRIC SUMMARY

14700 LAKELHURST, NJ 73-82 NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1
HOURS (L S Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb	Dew Point	
82 / 81								.1	.1									2	2			
80 / 79								.2										3	3			
78 / 77						.1	.1	.1										3	3			
76 / 75					.1	.1	.1	.2	.1									8	8			
74 / 73				.2	.1	.1	.1	.1	.1									12	12			
72 / 71			.1	.1	.1	.1	.2		.1	.1								12	12			
70 / 69		.1	.1		.3		.1			.1								11	11			
68 / 67		.3	.4	.4	.2	.2	.3	.2		.1								38	38	13	1	
66 / 65		.4	.4	.2	.3	.4	.1	.2	.1									37	37	17	10	
64 / 63	.3	.8	.4	.4	.3	.3	.2	.2										54	54	29	18	
62 / 61	.4	.9	.3	.5	.4	.3	.5	.1										65	65	54	24	
60 / 59	.4	1.1	.6	.3	.6	.3	.5	.2										78	78	55	51	
58 / 57	.5	1.2	.8	.7	.3	.5	.6	.2										93	93	58	52	
56 / 55	.5	1.6	1.0	.6	.5	.6	.4											101	101	69	45	
54 / 53	.6	2.2	.8	.8	.6	.8	.3											120	120	100	83	
52 / 51	.6	1.1	1.3	1.1	.9	.8	.2											115	115	99	72	
50 / 49	.7	1.5	1.7	1.5	1.4	.9	.2											139	139	109	77	
48 / 47	.4	1.5	.8	1.6	1.5	.7	.1											128	128	100	71	
46 / 45	.5	1.4	1.5	1.9	1.1	.6												136	136	120	89	
44 / 43	.5	.8	1.4	2.1	1.1	.3												121	121	128	72	
42 / 41	.4	1.1	1.6	1.9	.8	.1												116	116	131	74	
40 / 39	.3	.9	2.4	1.4	.8	.1												116	116	147	96	
38 / 37	.2	1.1	1.8	1.8	.4													104	104	144	74	
36 / 35	.2	1.7	1.9	1.2	.2													102	102	130	93	
34 / 33	.3	1.1	1.8	.8														78	78	117	138	
32 / 31	.4	1.1	1.6	.4	.1													69	69	125	141	
30 / 29	.3	1.2	.6	.3														47	47	89	151	
28 / 27	.2	.8	.4	.1														28	28	65	118	
26 / 25	.1	.5	.1	.1														16	16	35	89	
24 / 23	.2	.4	.1															13	13	21	99	
22 / 21	.1	.2	.1															6	6	9	83	
20 / 19	.1	.1	.1															4	4	8	63	
18 / 17	.2																	3	3	4	44	
16 / 15		.1																2	2	2	28	
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature											
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																						
Wet Bulb																						
Dew Point																						

NAYWEASERVCOM

PSYCHROMETRIC SUMMARY

14751

LAKHURST, NJ

73-22

NO 6

STATION

STATION NAME

YEARS

MONTH

PAGE ?

HOURS (L S T)

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

14740 LAKEHURST, NJ 73-92 DEC
STATION STATION NAME YEARS MONTH

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
73 / 77							.0											1	1					
72 / 71					.0													1	1					
70 / 69				.0	.1													4	4					
68 / 67			.0	.0	.1		.1	.0										7	7					
66 / 65			.1	.1		.0	.0											8	8	2				
64 / 63	.0	.5	.1	.2	.1	.1		.0										20	20	6	2			
62 / 61	.0	.1	.2	.2	.0	.1		.0										17	17	13	6			
60 / 59	.0	.2	.1	.1	.2	.1												18	18	11	12			
58 / 57	.0	.7	.3	.0	.1	.0												27	27	17	11			
56 / 55	.1	.7	.4	.2	.1	.4	.0											41	41	33	20			
54 / 53	.1	.9	.5	.1	.1	.1	.0											40	40	31	32			
52 / 51	.2	1.0	.6	.3	.5	.4	.0											64	64	44	29			
50 / 49	.3	.6	.4	.7	.3	.2	.2											59	59	48	38			
48 / 47	.3	1.1	.5	.7	.6	.2	.0											71	71	36	39			
46 / 45	.1	1.5	1.3	.9	.9	.4												98	98	56	27			
44 / 43	.6	1.7	1.6	1.9	1.1	.3												146	146	93	56			
42 / 41	.5	1.4	1.8	1.8	.9	.1												134	134	92	54			
40 / 39	.5	1.7	2.2	1.2	1.1	.1												139	139	123	67			
38 / 37	.4	2.0	2.4	2.1	.8													157	157	150	73			
36 / 35	.3	2.2	2.7	1.7	.2	.0												146	146	160	89			
34 / 33	.3	1.7	2.3	1.6	.2													123	123	152	106			
32 / 31	.2	1.8	2.9	1.2	.3													130	130	161	119			
30 / 29	.1	1.5	2.4	.8	.0													100	100	128	115			
28 / 27	.8	2.1	2.7	.4														106	106	144	127			
26 / 25	.9	1.7	1.4	.4														90	90	142	127			
24 / 23	.3	1.5	2.1	.2														84	84	88	137			
22 / 21	.3	.9	1.2	.1														53	53	78	119			
20 / 19	.2	.9	1.0															43	43	62	104			
18 / 17	.2	.5	.5															26	26	48	109			
16 / 15	.2	.6	.3															24	24	33	92			
14 / 13		.6	.1															15	15	31	50			
12 / 11		.3																7	7	13	63			
10 / 9	.1	.2																7	7	9	56			
8 / 7		.4																8	8	6	47			
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					Total			
Dry Bulb																								
Wet Bulb																								
Dew Point																								

NAVWEASERVCOM

DEC
MONTH

PAGE 2
HOURS (L S T)

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NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

10740 LAKEHURST, NJ 73-82 ALL
STATION MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point	
100 / 99										.0		.0		.0				3	3			
98 / 97										.0	.0	.0						9	9			
96 / 95									.0	.0	.0	.0						13	13			
94 / 93					.0		.0	.0	.0	.0	.0	.0						31	31			
92 / 91						.0	.0	.1	.1	.0	.0	.0	.0	.0				73	73			
90 / 89				.0		.0	.1	.2	.1	.1	.0	.0	.0	.0				153	153			
88 / 87			.0	.0	.0	.1	.2	.2	.1	.1	.0	.0		.0				190	190			
86 / 85			.0	.0	.1	.2	.2	.2	.2	.1	.1	.0	.0	.0				280	280	1		
84 / 83			.0	.1	.2	.3	.3	.3	.2	.2	.0	.0						378	378	2	2	
82 / 81		.0	.0	.1	.3	.3	.3	.2	.2	.1	.0	.0	.0		.0			426	426	16	2	
80 / 79	.0	.0	.1	.3	.3	.4	.3	.3	.2	.1	.1	.0	.0					530	530	57	2	
78 / 77	.0	.1	.3	.4	.5	.3	.4	.3	.2	.1	.1	.0	.0					644	644	155	22	
76 / 75	.0	.3	.5	.5	.4	.4	.3	.3	.2	.1	.0	.0	.0					748	749	356	95	
74 / 73	.1	.6	.6	.6	.4	.4	.3	.2	.2	.1	.0	.0						842	844	627	276	
72 / 71	.2	.7	.7	.5	.4	.3	.3	.2	.1	.1	.0							848	848	812	497	
70 / 69	.3	.9	.8	.4	.4	.4	.3	.2	.1	.1	.0							944	944	967	780	
68 / 67	.4	.8	.7	.5	.4	.3	.3	.2	.1	.1	.0	.0						920	920	1025	781	
66 / 65	.4	.7	.6	.5	.4	.3	.3	.2	.1	.0	.0							878	878	1050	893	
64 / 63	.4	.9	.6	.6	.3	.3	.3	.1	.1	.0								916	916	948	880	
62 / 61	.5	.9	.5	.5	.5	.3	.3	.2	.1	.0	.0							892	892	1020	847	
60 / 59	.4	1.1	.7	.5	.4	.3	.3	.2	.1	.0								958	958	1034	961	
58 / 57	.4	1.0	.6	.4	.4	.3	.3	.2	.0	.0								918	918	967	929	
56 / 55	.3	1.0	.6	.6	.4	.4	.3	.1	.0									890	890	951	893	
54 / 53	.3	.9	.6	.5	.3	.4	.2	.1	.0									800	800	968	949	
52 / 51	.3	.8	.6	.5	.5	.4	.2	.1	.0									785	785	860	834	
50 / 49	.3	.6	.6	.5	.6	.3	.2	.0										744	744	856	803	
48 / 47	.2	.8	.5	.6	.6	.4	.1	.0										790	790	783	766	
46 / 45	.2	.8	.7	.6	.6	.3	.1	.0										806	806	857	735	
44 / 43	.3	.7	.7	.8	.6	.2	.0											777	777	860	723	
42 / 41	.3	.6	.7	.7	.5	.1	.0											712	712	853	683	
40 / 39	.3	.7	.8	.7	.5	.1												759	759	887	726	
38 / 37	.2	.7	.8	.8	.3	.0												687	687	868	678	
36 / 35	.2	.7	1.0	.7	.3	.0												682	682	794	688	
34 / 33	.2	.8	1.0	.6	.1	.0												639	639	811	702	
Element (X)	ΣX^2			ΣX			\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

PSYCHROMETRIC SUMMARY

14780 STATION LAKEHURST, NJ 73-82 YEARS ALL MONTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
72/ 31	.2	.7	.9	.5	.1														564	564	798	838		
70/ 29	.1	.8	.8	.3	.1														486	486	655	756		
68/ 27	.2	.7	.8	.3	.0														471	471	623	749		
66/ 25	.2	.5	.7	.2	.0														375	375	562	689		
64/ 23	.1	.6	.7	.1	.0														357	357	422	736		
62/ 21	.1	.5	.5	.0															263	283	368	633		
60/ 19	.1	.4	.4	.0															226	226	335	582		
58/ 17	.1	.3	.2	.0															163	163	248	483		
56/ 15	.1	.3	.2	.0															138	138	196	448		
54/ 13	.1	.2	.1																103	103	151	360		
52/ 11	.0	.2	.1																71	71	89	317		
50/ 9	.1	.2	.1																68	68	93	291		
48/ 7	.0	.1	.0																33	33	50	230		
46/ 5	.0	.1	.0																32	32	38	193		
44/ 3		.1																	16	16	23	127		
42/ 1		.0																	7	7	15	97		
40/- 1	.0	.0																	10	10	12	81		
38/- 3	.0	.0																	3	3	7	50		
36/- 5	.0																		1	1	2	44		
34/- 7		.0																	1	1	1	25		
32/- 9		.0																	1	1		25		
30/-11																					1	25		
28/-13																						21		
26/-15																						13		
24/-17																						7		
22/-19																						3		
20/-21																						4		
18/-23																						4		
16/-25																						1		
14/-27																						1		
12/-29																						5		
TOTAL	7.5	22.9	20.5	15.0	10.9	7.8	6.0	4.2	2.7	1.6	.6	.2	.0	.0	.0				24077		24074			
																			24074		24074			
Element (X)	Σx^2		Σx		\bar{x}	σ_x		No. Obs.		Mean No. of Hours with Temperature								Total						
Rel. Hum.	120913121		1637217		68.0	19.938		24074	≤0 F	≤32 F	≥47 F	≥73 F	≥80 F	≥93 F		Total								
Dry Bulb	78774562		1303358		54.1	18.477		24077	5.8	1240.2	2558.9	1572.6	679.0	20.4	8760.0									
Wet Bulb	63483211		1169643		48.6	16.627		24074	6.3	1706.1	1462.3	441.9	13.9		8760.0									
Dew Point	52399139		1025485		42.6	19.028		24074	112.3	2855.5	894.4	231.2	2.2		8760.0									

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14780

LAKELHURST, NJ

73-82

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
01	MEAN S. D. TOTAL OBS	33.1 29.9 38.6 46.0 54.2 64.0 68.4 68.0 60.5 50.4 44.6 35.9 49.7 10.781 10.326 8.714 9.781 7.169 5.659 5.249 4.617 7.551 8.647 11.158 10.758 15.595 93 84 93 90 93 90 93 93 90 93 90 86 1088
04	MEAN S. D. TOTAL OBS	31.8 29.0 37.3 44.6 52.8 62.4 66.6 66.6 59.2 48.8 42.8 35.4 48.3 10.482 10.744 9.001 9.975 7.550 6.012 5.732 4.986 7.941 9.292 11.010 10.498 15.529 93 84 93 90 93 90 93 93 90 93 90 85 1087
07	MEAN S. D. TOTAL OBS	25.6 26.5 36.1 46.6 56.9 65.0 69.7 67.9 59.9 47.8 40.9 31.8 48.0 12.473 12.660 10.275 8.854 6.658 5.965 5.115 5.662 7.613 9.722 10.872 12.161 17.888 311 282 310 300 310 300 310 310 300 309 300 310 3652
10	MEAN S. D. TOTAL OBS	30.3 33.1 43.6 54.9 64.8 72.7 78.2 76.9 69.2 58.0 48.6 37.4 55.7 11.552 12.126 10.809 10.635 8.674 7.390 5.878 6.125 7.126 8.542 10.086 10.780 18.810 311 282 310 300 310 300 310 310 300 310 300 310 3652
14	MEAN S. D. TOTAL OBS	34.4 37.7 48.0 58.7 68.8 76.2 82.2 80.9 73.0 62.1 53.0 41.7 59.8 11.557 12.466 11.243 11.620 9.925 8.368 6.751 6.857 7.899 9.286 10.687 11.031 18.955 310 282 310 300 310 300 310 310 300 310 300 310 3652
16	MEAN S. D. TOTAL OBS	34.6 38.4 48.7 58.9 68.5 75.7 81.8 80.0 72.6 61.6 52.1 41.0 59.6 11.344 12.103 10.767 11.004 9.943 8.387 7.189 6.987 7.853 8.730 10.288 10.640 18.577 310 282 310 300 310 300 310 310 300 310 300 310 3652
19	MEAN S. D. TOTAL OBS	30.6 33.9 43.7 53.5 62.8 70.8 77.1 74.3 66.3 54.7 46.4 36.5 54.3 11.572 11.085 9.090 9.490 8.308 7.194 6.149 5.767 6.768 7.791 9.614 10.460 17.790 310 281 310 300 310 300 310 310 300 310 300 309 3650
22	MEAN S. D. TOTAL OBS	28.2 31.1 40.1 48.9 57.5 64.8 70.9 69.6 62.2 50.9 44.1 34.6 50.4 11.890 11.500 9.130 8.979 7.068 6.209 5.205 5.312 6.822 8.500 10.081 11.148 16.747 310 281 310 300 310 300 309 309 300 310 300 304 3643
ALL HOURS	MEAN S. D. TOTAL OBS	30.8 33.1 42.9 52.8 62.3 70.2 75.8 74.2 66.5 55.3 47.2 37.0 54.1 12.029 12.517 11.044 11.273 9.952 8.692 8.045 7.937 9.015 10.289 11.167 11.486 18.478 2048 1858 2044 1980 2046 1980 2045 2045 1980 2045 1980 2024 24077

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MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14730

LAKEHURST, NJ

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	30.7	27.4	35.4	42.0	51.4	61.9	65.8	65.7	58.4	47.8	41.4	33.9	47.0
	S. D.	10.426	9.919	8.830	9.484	7.413	5.736	5.425	4.883	7.987	8.979	10.638	10.622	15.676
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	66	1088
04	MEAN	29.8	26.8	34.5	41.3	50.6	61.0	64.8	64.9	57.6	46.7	40.3	33.5	46.2
	S. D.	11.190	10.341	9.133	9.816	7.850	6.107	5.832	5.376	8.419	9.493	10.551	10.209	15.737
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	65	1087
07	MEAN	23.9	24.5	33.5	42.4	53.4	61.6	66.7	66.1	58.2	45.9	38.9	29.9	45.5
	S. D.	12.158	12.031	10.080	8.815	7.207	6.337	5.444	5.999	7.680	9.768	10.830	11.832	17.640
	TOTAL OBS	311	282	310	300	310	300	310	310	300	309	300	310	3652
10	MEAN	27.7	29.4	38.2	46.3	56.5	64.2	69.0	69.2	62.6	51.8	43.9	34.0	49.5
	S. D.	11.233	11.219	9.863	8.872	7.598	6.698	5.416	5.760	7.129	8.608	10.005	10.504	16.892
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
13	MEAN	30.2	32.2	40.6	48.0	57.8	65.0	69.9	70.0	63.5	53.2	46.0	36.4	51.2
	S. D.	12.711	10.694	9.440	8.759	7.667	6.578	5.504	5.551	6.884	8.334	9.836	10.272	16.143
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	30.3	32.6	41.0	48.3	57.8	64.8	69.9	69.7	63.5	53.0	45.4	36.0	51.1
	S. D.	11.555	10.318	8.827	8.390	7.479	6.405	5.332	5.368	6.619	7.913	9.724	10.092	15.940
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
19	MEAN	27.6	29.8	38.3	45.7	55.5	63.1	68.8	68.1	61.2	49.9	42.3	33.1	48.7
	S. D.	11.240	10.279	8.653	8.232	7.072	6.196	5.161	5.190	6.759	8.121	9.937	10.500	16.382
	TOTAL OBS	310	291	310	300	310	300	310	309	300	310	300	309	3649
22	MEAN	25.8	27.9	36.2	43.2	53.2	60.7	66.5	66.0	59.1	47.7	40.9	31.9	46.7
	S. D.	11.529	10.849	9.048	8.466	7.146	6.423	5.535	5.523	7.072	8.734	10.313	11.055	16.389
	TOTAL OBS	310	281	310	300	310	300	309	308	300	310	300	304	3642
ALL HOURS	MEAN	27.8	29.2	37.7	45.3	55.3	63.1	68.2	67.9	61.0	50.0	42.7	33.6	48.6
	S. D.	11.386	11.156	9.643	9.002	7.713	6.589	5.649	5.798	7.460	9.064	10.434	10.898	16.628
	TOTAL OBS	2048	1858	2046	1980	2046	1980	2045	2042	1980	2045	1980	2024	24074

NAVWEASERVCOM

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14730

LAKEHURST, NJ

73-82

STATION		STATION NAME												YEARS
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	25.8	20.8	29.7	36.8	48.9	60.6	64.2	64.4	56.8	45.1	37.3	30.0	43.6
	S. D.	12.360	12.439	12.085	11.805	8.793	6.392	6.469	5.401	8.881	10.595	11.841	12.219	17.985
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	86	1088
04	MEAN	25.3	21.2	29.4	37.0	48.6	60.2	63.7	64.0	56.5	44.3	37.0	29.8	43.3
	S. D.	12.118	12.575	11.947	11.797	9.146	6.474	6.287	5.907	9.125	10.915	11.539	11.482	17.864
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	85	1087
07	MEAN	18.6	19.1	28.6	36.9	50.1	59.2	64.9	65.0	57.1	43.9	36.0	25.6	42.2
	S. D.	15.084	13.859	12.320	11.473	9.354	7.666	6.501	6.693	8.214	10.734	12.267	13.718	19.740
	TOTAL OBS	311	282	310	300	310	300	310	310	300	309	300	310	3652
11	MEAN	20.9	21.5	29.7	36.0	49.4	58.5	64.0	65.0	58.1	45.7	38.1	28.0	43.0
	S. D.	14.632	13.770	13.030	12.237	10.794	8.934	7.323	7.372	9.064	11.148	12.516	12.961	19.172
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653
14	MEAN	21.2	21.9	29.9	35.7	48.8	57.8	63.1	64.0	57.1	44.8	37.7	27.8	42.6
	S. D.	14.402	13.260	13.013	12.390	10.862	8.901	7.771	7.511	9.180	11.182	12.727	13.325	18.844
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	21.1	21.7	30.1	36.1	49.0	57.8	63.4	64.2	57.4	44.9	37.3	27.3	42.6
	S. D.	14.372	13.170	12.489	12.566	10.839	8.796	7.654	7.251	8.775	10.942	12.836	13.467	18.891
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
17	MEAN	20.3	21.0	29.8	36.1	49.2	58.0	64.2	64.6	57.7	45.1	36.6	26.6	42.5
	S. D.	14.648	13.193	12.480	12.286	9.819	8.290	6.895	6.563	8.311	10.438	12.638	13.590	19.107
	TOTAL OBS	310	281	310	300	310	300	310	309	300	310	300	309	3649
22	MEAN	19.3	20.7	29.5	35.7	49.3	57.6	63.9	64.0	56.8	44.2	36.2	26.4	42.1
	S. D.	14.531	13.350	12.227	11.881	9.397	8.005	6.890	6.475	8.234	10.411	12.558	13.635	19.032
	TOTAL OBS	310	281	310	300	310	300	309	308	300	310	300	304	3642
ALL HOURS	MEAN	20.7	21.0	29.6	36.2	49.3	58.4	63.9	64.4	57.3	44.8	37.0	27.2	42.6
	S. D.	14.500	13.360	12.533	12.101	10.086	8.311	7.127	6.881	8.668	10.804	12.512	13.352	19.028
	TOTAL OBS	2048	1858	2046	1980	2046	1980	2045	2042	1980	2045	1980	2024	24079

NAVWEASERVCOM

14780 LAKEHURST, NJ

73-82

JAH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	100.0	95.7	81.7	63.4	37.6	15.1	75.2	93
	04	100.0	100.0	100.0	100.0	96.8	86.0	67.7	47.3	21.5	77.4	93
	07	100.0	100.0	99.0	96.5	92.6	81.4	64.6	44.7	24.4	76.1	311
	10	100.0	100.0	98.7	95.5	88.1	66.6	46.0	29.9	15.1	69.6	311
	13	100.0	100.0	94.8	88.1	68.4	41.3	28.1	20.3	9.4	60.8	310
	16	100.0	100.0	95.5	86.8	65.5	43.2	28.1	16.8	7.7	59.9	310
	19	100.0	100.0	99.0	95.8	85.5	64.2	37.7	22.3	10.3	66.7	310
	22	100.0	100.0	99.4	96.1	68.1	73.5	51.9	29.4	13.2	70.5	310
TOTALS		100.0	100.0	98.3	94.9	85.1	67.2	48.4	31.0	14.6	69.5	2048

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-R2

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	98.8	85.7	67.9	51.2	26.2	10.7	69.9	84
	04	100.0	100.0	100.0	98.8	91.7	77.4	64.3	34.5	14.3	73.5	84
	07	100.0	100.0	100.0	98.9	94.0	82.6	62.1	40.4	14.9	74.8	282
	10	100.0	100.0	98.9	92.6	77.3	50.0	32.6	21.6	11.3	64.4	242
	13	100.0	99.6	93.6	78.4	53.9	34.4	22.0	12.8	6.0	55.4	282
	16	100.0	99.6	91.5	72.7	47.9	30.9	22.0	13.8	5.3	54.0	282
	19	100.0	99.6	98.6	90.7	69.0	44.5	29.2	15.7	8.2	61.0	281
	22	100.0	100.0	99.6	97.2	83.6	60.5	39.5	24.2	10.3	67.0	231
TOTALS		100.0	99.9	97.8	91.0	75.4	56.0	40.4	23.7	10.1	65.0	1858

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	100.0	97.8	89.2	68.8	53.8	35.5	17.2	71.7	93
	04	100.0	100.0	100.0	97.8	94.6	78.5	54.8	40.9	23.7	74.5	93
	07	100.0	100.0	100.0	98.4	93.5	81.6	62.3	39.4	21.9	75.7	310
	10	100.0	99.7	97.4	87.7	61.6	40.6	27.4	20.0	12.9	60.7	310
	13	100.0	97.7	87.4	66.8	44.5	31.9	23.9	15.8	8.4	53.5	310
	16	100.0	97.4	86.8	61.0	44.8	30.3	23.5	17.1	8.1	52.9	310
	19	100.0	99.7	96.5	83.9	63.9	45.2	31.9	21.9	10.0	61.1	310
	22	100.0	100.0	99.0	94.5	80.6	61.6	42.9	28.7	13.2	67.9	310
TOTALS		100.0	99.3	95.9	86.0	71.6	54.8	40.1	27.4	14.4	64.8	2046

NAVWEASERVCOM

RELATIVE HUMIDITY

14780

LAKEHURST, NJ

73-82

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	97.8	94.4	87.8	85.6	31.1	17.8	71.7	90
	04	100.0	100.0	100.0	100.0	100.0	83.3	56.7	36.7	22.2	75.6	90
	07	100.0	100.0	100.0	96.3	86.7	70.7	50.7	31.0	17.3	71.0	300
	10	100.0	99.0	91.3	70.7	42.7	26.3	18.7	13.0	9.0	52.6	300
	13	100.0	96.0	73.0	49.3	31.0	22.3	17.7	12.0	6.7	46.7	300
	16	100.0	94.3	72.0	51.0	33.3	25.0	19.7	14.3	7.3	47.4	300
	19	100.0	99.0	89.0	69.3	52.3	36.7	25.3	18.3	10.0	55.6	300
	22	100.0	99.7	97.0	87.0	69.7	51.7	37.0	20.3	9.7	63.2	300
TOTALS		100.0	98.5	90.3	77.7	63.8	48.0	33.9	22.1	12.5	60.5	1980

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKHURST, NJ

73-82

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	97.8	95.7	81.7	60.2	32.3	83.3	93
	04	100.0	100.0	100.0	100.0	97.8	97.8	90.3	71.0	38.7	86.4	93
	07	100.0	100.0	100.0	99.0	94.5	84.2	69.4	52.6	30.6	79.6	310
	10	100.0	99.7	95.8	81.6	63.2	46.5	33.2	22.3	10.0	60.8	310
	13	100.0	98.4	87.7	66.8	45.5	30.6	21.9	12.3	6.1	52.6	310
	16	100.0	98.1	86.5	67.4	48.7	37.1	23.9	14.5	6.1	54.0	310
	19	100.0	99.7	97.4	85.5	70.6	53.9	41.0	27.1	12.3	64.5	310
	22	100.0	100.0	99.0	97.7	90.3	79.4	62.9	47.7	21.9	76.0	310
TOTALS		100.0	99.5	95.8	87.3	76.1	65.7	53.0	38.5	19.8	69.7	2046

NAVWEASERVCOM

RELATIVE HUMIDITY

14790 LAKEHURST, NJ

73-82

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	100.0	98.9	93.3	82.2	50.0	89.2	90
	04	100.0	100.0	100.0	100.0	100.0	100.0	98.9	93.3	66.7	92.9	90
	07	100.0	100.0	100.0	100.0	99.3	95.0	79.7	60.0	32.0	82.5	300
	10	100.0	100.0	99.7	95.0	74.7	51.7	29.3	19.7	8.3	63.2	300
	13	100.0	100.0	97.7	77.0	56.0	32.7	21.7	11.3	3.3	55.4	300
	16	100.0	100.0	97.3	78.0	54.7	37.0	21.7	13.3	4.7	56.6	300
	19	100.0	100.0	99.7	93.3	78.7	57.3	39.0	26.0	9.7	66.1	300
	22	100.0	100.0	100.0	99.7	97.7	90.3	70.3	45.3	25.0	78.7	300
TOTALS		100.0	100.0	99.3	92.9	82.6	73.4	56.7	43.9	25.0	73.1	1980

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-82

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	98.9	98.9	94.6	77.4	35.5	86.9	93
	04	100.0	100.0	100.0	100.0	100.0	98.9	97.8	93.5	50.5	90.8	93
	07	100.0	100.0	100.0	100.0	99.7	98.7	88.4	67.4	36.8	85.5	310
	10	100.0	100.0	100.0	95.8	80.0	53.5	29.4	12.9	2.9	63.2	310
	13	100.0	100.0	99.7	81.6	54.2	29.7	13.2	8.1	3.2	54.4	310
	16	100.0	100.0	98.4	80.3	56.1	31.6	19.4	11.9	5.8	56.1	310
	19	100.0	100.0	100.0	98.1	82.6	62.3	38.1	21.6	6.8	66.3	310
	22	100.0	100.0	100.0	100.0	98.4	90.9	75.1	49.2	20.7	79.3	309
TOTALS		100.0	100.0	99.8	94.5	83.7	70.6	57.0	42.8	20.3	72.8	2045

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	100.0	97.8	82.8	44.1	88.4	93
	04	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.7	57.0	91.7	93
	07	100.0	100.0	100.0	100.0	100.0	99.4	97.1	87.1	56.1	90.8	310
	10	100.0	100.0	100.0	99.4	89.7	65.8	42.9	20.0	6.1	67.9	310
	13	100.0	100.0	99.7	92.9	65.8	36.8	18.7	11.3	4.2	58.2	310
	16	100.0	100.0	99.4	91.9	71.2	41.4	24.9	16.8	6.5	60.6	309
	19	100.0	100.0	100.0	100.0	94.8	79.9	55.3	30.4	10.4	72.9	309
	22	100.0	100.0	100.0	100.0	99.7	97.4	89.0	61.7	23.4	83.0	308
TOTALS		100.0	100.0	99.9	98.0	90.2	77.6	65.7	50.7	26.0	76.7	2042

NAVWEASERVCOM

SEP

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JEP	11	100.0	100.0	100.0	100.0	100.0	97.8	96.7	77.8	45.6	88.2	90
	24	100.0	100.0	100.0	100.0	100.0	100.0	96.7	86.7	55.6	90.9	90
	37	100.0	100.0	100.0	100.0	100.0	99.7	96.3	87.7	59.7	91.1	300
	10	100.0	100.0	100.0	99.0	91.7	65.7	42.7	26.3	9.7	69.3	300
	17	100.0	100.0	99.7	89.0	65.0	41.0	24.7	14.7	3.7	59.4	300
	14	100.0	100.0	98.7	90.7	71.0	46.7	26.0	15.7	4.3	60.8	300
	12	100.0	100.0	100.0	99.3	96.3	85.3	64.0	38.7	10.0	74.9	300
	22	100.0	100.0	100.0	100.0	99.3	97.3	85.7	63.3	23.7	83.1	300
TOTALS		100.0	100.0	99.8	97.3	90.4	79.2	66.6	51.4	26.5	77.2	1980

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-82

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	100.0	92.5	81.7	58.1	32.3	82.6	93
	06	100.0	100.0	100.0	98.9	98.9	96.8	87.1	66.7	39.8	85.3	93
	07	100.0	100.0	100.0	100.0	99.4	97.7	89.6	73.8	43.4	87.1	309
	10	100.0	100.0	100.0	97.4	81.6	53.5	34.2	20.3	12.3	65.4	310
	13	100.0	100.0	98.1	79.0	51.3	29.7	20.3	12.6	6.1	55.4	310
	16	100.0	100.0	96.5	82.6	55.5	36.1	22.3	15.5	6.1	57.1	310
	19	100.0	100.0	99.7	78.1	91.6	75.2	51.9	27.7	12.9	71.4	310
	22	100.0	100.0	100.0	100.0	97.4	89.7	73.5	45.5	21.3	78.8	310
TOTALS		100.0	100.0	99.3	94.5	84.5	71.4	57.6	40.0	21.8	72.9	2045

NAVWEASERVCOM

RELATIVE HUMIDITY

14740 LAKETHURST, NJ

73-82

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	98.9	94.4	86.7	66.7	36.7	18.9	76.5	90
	04	100.0	100.0	100.0	100.0	97.8	92.2	75.6	56.7	21.1	80.6	90
	07	100.0	100.0	100.0	100.0	99.0	95.0	84.0	61.7	34.3	83.3	300
	10	100.0	100.0	100.0	98.0	85.3	61.3	43.3	26.0	12.3	68.7	300
	13	100.0	100.0	98.7	85.3	56.7	37.3	22.7	14.0	9.7	58.4	300
	16	100.0	100.0	99.0	85.7	62.7	37.0	26.7	16.3	9.0	59.3	300
	19	100.0	100.0	100.0	98.3	88.7	68.3	43.3	27.0	13.7	70.1	300
	22	100.0	100.0	100.0	99.3	94.7	82.7	58.7	35.3	16.3	74.8	300
TOTALS		100.0	100.0	99.7	95.7	84.9	70.1	52.6	34.5	16.9	71.5	1980

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-82

DFC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	100.0	100.0	91.9	75.6	50.0	18.6	79.4	56
	04	100.0	100.0	100.0	100.0	100.0	94.1	81.2	55.3	20.0	80.5	85
	07	100.0	100.0	100.0	100.0	97.1	89.4	72.6	49.4	19.4	78.3	310
	10	100.0	100.0	100.0	98.4	90.0	71.3	44.5	28.1	11.9	70.0	310
	13	100.0	100.0	99.0	97.4	64.8	41.3	25.8	19.0	6.5	60.1	310
	16	100.0	100.0	99.0	89.0	61.0	42.6	28.7	16.5	7.7	60.2	310
	19	100.0	100.0	100.0	97.4	86.7	67.0	43.0	25.6	12.3	68.6	309
	22	100.0	100.0	100.0	99.0	93.8	78.6	54.9	31.6	15.5	73.0	304
TOTALS		100.0	100.0	99.0	96.4	86.7	72.0	53.3	34.4	14.0	71.3	2024

NAVWEASERVCOM

RELATIVE HUMIDITY

14780 LAKEHURST, NJ

73-82

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.3	94.9	85.1	67.2	48.4	31.0	14.6	69.5	2048
FEB		100.0	99.9	97.8	91.0	75.4	56.0	40.4	23.7	10.1	65.0	1858
MAR		100.0	99.3	95.9	86.0	71.6	54.8	40.1	27.4	14.4	64.8	2046
APR		100.0	98.5	90.3	77.7	63.8	48.0	33.9	22.1	12.5	60.5	1980
MAY		100.0	99.5	95.8	87.3	76.1	65.7	53.0	38.5	19.8	69.7	2046
JUN		100.0	100.0	99.3	92.9	82.6	70.4	56.7	43.9	25.0	73.1	1980
JUL		100.0	100.0	99.8	94.5	83.7	70.6	57.0	42.8	20.3	72.8	2045
AUG		100.0	100.0	99.9	98.0	90.2	77.6	65.7	50.7	26.0	76.7	2042
SEP		100.0	100.0	99.8	97.3	90.4	79.2	66.6	51.4	26.5	77.2	1980
OCT		100.0	100.0	99.3	94.5	84.5	71.4	57.6	40.0	21.8	72.9	2045
NOV		100.0	100.0	99.7	95.7	84.9	70.1	52.6	34.5	16.9	71.5	1980
DEC		100.0	100.0	99.8	96.4	86.7	72.0	53.3	34.4	14.0	71.3	2024
TOTALS		100.0	99.8	98.0	92.2	81.3	66.9	52.1	36.7	18.5	70.4	24074

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

147
STATION

LAKEHURST, NJ
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

JANUARY
MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71					50.0		50.0			2	.1
62 TO 66					7.7	38.5	46.2	7.7		13	.6
57 TO 61					43.8	28.1	25.0	3.1		32	1.6
52 TO 56	4.5	1.5	1.5	12.1	34.8	22.7	16.7	6.1		66	3.2
47 TO 51	8.4	4.8	3.6	13.3	13.3	13.3	21.7	14.5	7.2	83	4.1
42 TO 46	12.7	3.6	11.4	5.4	12.0	9.0	19.3	18.1	8.4	166	8.1
37 TO 41	9.4	6.7	8.2	4.7	5.1	7.8	22.7	22.7	12.5	255	12.5
32 TO 36	7.8	5.5	6.9	3.4	4.3	8.0	25.3	25.0	13.8	348	17.0
27 TO 31	7.6	9.4	7.6	2.1	2.4	4.7	18.5	27.1	20.6	340	16.6
22 TO 26	10.3	6.6	5.6	1.0	1.7	3.7	26.2	26.6	18.3	301	14.7
17 TO 21	15.1	1.5	1.0		2.4	2.9	22.9	30.7	23.4	205	10.0
12 TO 16	13.0	4.3	1.4		.7	2.9	29.7	29.7	18.1	136	6.7
7 TO 11	4.9	1.6	1.6	3.3		3.3	29.5	29.5	26.2	61	3.0
2 TO 6						4.2	50.0	20.8	25.0	24	1.2
-3 TO 1							41.7	50.0	8.3	12	.6
-8 TO -4									100.0	1	.0
-13 TO -9						100.0				1	.0
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.3	5.3	5.7	3.1	5.7	7.0	23.8	24.3	15.7	2044	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14735
STATION

LAKEHURST, NJ
STATION NAME

JANUARY 1973-DECEMBER 1982
YEARS

FEBRUARY
MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76						50.0	50.0			2	.1
67 TO 71					25.0	50.0	25.0			4	.2
62 TO 66					10.0	25.0	45.0	20.0		20	1.1
57 TO 61	2.0	4.1	2.0		22.4	30.6	30.6	6.1	2.0	49	2.6
52 TO 56	2.7	2.7	2.7	22.7	18.7	22.7	16.0	6.7	5.3	75	4.0
47 TO 51	8.4	4.6	6.9	3.8	13.7	18.3	27.5	14.5	2.3	131	7.1
42 TO 46	6.2	5.1	10.2	6.8	13.6	7.9	18.6	23.2	8.5	177	9.5
37 TO 41	8.1	6.5	15.3	9.7	4.8	4.4	19.8	20.2	11.3	248	13.3
32 TO 36	11.3	7.9	11.3	2.7	5.5	4.1	18.2	19.9	18.9	291	15.7
27 TO 31	9.6	10.3	5.7	3.1	2.7	6.5	14.6	31.4	16.1	261	14.0
22 TO 26	16.3	13.7	5.6	.7	1.1	1.9	16.3	27.0	17.4	270	14.5
17 TO 21	16.0	3.6	1.8		1.2	1.8	13.6	37.3	24.9	169	9.1
12 TO 16	24.2	4.0	1.0	1.0	1.0	5.1	12.1	32.3	19.2	99	5.3
7 TO 11	20.0		7.5			2.5	12.5	45.0	12.5	40	2.2
2 TO 6	29.4		5.9				5.9	41.2	17.6	17	.9
-3 TO 1	25.0							25.0	50.0	4	.2
-8 TO -4									100.0	1	.1
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.4	7.1	7.5	4.1	6.0	7.1	17.9	24.5	14.4	1858	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

1473.
STATION

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

MARCH

WIND DIRECTION

WIND DIRECTION											
TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86						100.0				3	.1
77 TO 81						20.0	60.0	20.0		5	.2
72 TO 76					33.3	33.3	16.7	8.3	8.3	12	.6
67 TO 71				10.5	10.5	42.1	10.5	21.1	5.3	19	.9
62 TO 66	3.1		1.5		21.5	24.6	29.2	18.5	1.5	65	3.2
57 TO 61	2.5	2.5	4.2	4.2	19.2	23.3	28.3	11.7	4.2	120	5.9
52 TO 56	4.6	2.8	2.8	10.2	21.3	14.4	20.8	16.2	6.9	216	10.6
47 TO 51	9.7	5.0	6.8	11.8	12.5	7.9	17.9	19.0	9.3	279	13.6
42 TO 46	7.9	6.0	13.4	11.2	11.5	6.0	12.9	18.4	12.6	365	17.8
37 TO 41	8.0	13.0	13.6	5.1	8.0	2.7	10.1	25.0	14.6	376	18.4
32 TO 36	12.4	6.9	14.1	2.7	3.8	4.1	11.0	26.5	18.6	291	14.2
27 TO 31	15.2	5.3	4.1	2.9	1.2	1.8	11.1	38.6	19.9	171	8.4
22 TO 26	19.8	3.7	3.7		2.5	1.2	8.6	32.1	28.4	81	4.0
17 TO 21	26.7	3.3					3.3	30.0	36.7	30	1.5
12 TO 16	25.0						62.5		12.5	8	.4
7 TO 11	25.0						25.0	25.0	25.0	4	.2
2 TO 6								100.0		1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
58 A LWR											
TOTALS	9.3	6.2	8.9	6.6	10.3	7.9	14.9	22.5	13.4	2046	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14740
STATION

LAKEHURST, NJ

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

APRIL

MONTH

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96								100.0		1	.1
87 TO 91				33.3	16.7		50.0			6	.3
82 TO 86				5.0	10.0	40.0	40.0	5.0		20	1.0
77 TO 81			5.9		26.5	17.6	38.2	8.8	2.9	34	1.7
72 TO 76	5.8	1.9		1.9	19.2	28.8	34.6	7.7		52	2.6
67 TO 71	2.9		3.8		23.1	27.9	18.3	19.2	4.8	104	5.3
62 TO 66	5.0	.5	3.0	5.5	20.5	19.0	26.0	18.0	2.5	200	10.1
57 TO 61	7.3	1.0	2.8	9.1	19.9	10.8	24.5	17.8	6.6	286	14.4
52 TO 56	9.6	2.9	8.9	7.0	12.1	5.7	20.1	25.5	8.3	314	15.9
47 TO 51	12.5	8.8	11.4	10.6	3.7	4.5	17.6	20.2	10.6	376	19.0
42 TO 46	10.5	7.2	11.4	8.8	4.9	3.9	14.7	27.5	11.1	306	15.5
37 TO 41	17.9	6.9	3.4	2.1	3.4	3.4	16.6	27.6	18.6	145	7.3
32 TO 36	20.6	1.0	3.1	1.0	3.1	5.2	13.4	35.1	17.5	97	4.9
27 TO 31	9.7	3.2			3.2		12.9	58.1	12.9	31	1.6
22 TO 26								100.0		7	.4
17 TO 21								100.0		1	.1
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.8	4.1	6.8	6.8	11.1	9.3	20.1	23.0	9.0	1980	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14750
STATION

LAKEHURST, NJ

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

MAY

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96								100.0		1	.0
87 TO 91					4.3	17.4	39.1	34.8	4.3	23	1.1
82 TO 86	3.6	1.8		7.1	12.5	10.7	46.4	17.9		56	2.7
77 TO 81	2.8	.9	.9	7.5	10.3	19.6	37.4	19.6	.9	107	5.2
72 TO 76	7.2	3.6	6.2	7.2	17.0	13.4	27.3	13.4	4.6	194	9.5
67 TO 71	6.0	1.8	8.5	12.8	18.1	12.1	22.0	14.2	4.6	282	13.8
62 TO 66	6.4	3.9	9.5	13.4	19.3	11.5	17.3	10.9	7.8	358	17.5
57 TO 61	7.8	5.0	15.6	12.6	17.1	6.3	8.5	13.1	14.1	398	19.5
52 TO 56	9.7	8.3	20.8	11.1	7.8	3.9	10.0	10.8	17.5	360	17.6
47 TO 51	8.0	8.0	14.8	11.9	8.5	2.8	13.1	12.5	20.5	176	8.6
42 TO 46	17.6	6.8	13.5	9.5	1.4	4.1	17.6	10.8	18.9	74	3.6
37 TO 41	18.8	12.5	6.3				6.3	18.8	37.5	16	.8
32 TO 36									100.0	1	.0
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.6	4.8	12.0	11.1	13.9	8.7	17.5	13.1	11.1	2046	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14780
STATION

LAKEHURST, NJ

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

JUNE

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96					14.3	42.9	42.9			7	.4
87 TO 91	1.6			1.6	4.7	23.4	56.3	12.5		64	3.2
82 TO 86	4.1		4.1	4.8	13.7	19.2	36.3	15.1	2.7	146	7.4
77 TO 81	4.9	2.2	3.4	8.2	18.3	18.3	24.3	15.7	4.9	268	13.5
72 TO 76	6.6	2.5	8.5	14.5	18.6	13.9	17.8	11.2	6.6	366	18.5
67 TO 71	6.2	4.7	9.2	10.0	21.1	10.2	14.0	11.8	12.8	422	21.3
62 TO 66	7.7	6.6	13.1	12.3	14.8	7.4	12.3	12.3	13.7	366	18.5
57 TO 61	10.3	10.7	19.4	7.4	9.1	7.0	5.4	9.1	21.5	242	12.2
52 TO 56	12.1	7.7	13.2	4.4	5.5	5.5	8.8	11.0	31.9	91	4.6
47 TO 51		25.0						50.0	25.0	8	.4
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.8	4.7	9.7	9.7	15.7	12.0	17.5	12.3	11.5	1980	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14710
STATIONLAKEHURST, NJ
STATION NAMEJANUARY 1973-DECEMBER 1982
YEARJULY
MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						27.3	63.6	9.1		11	.5
92 TO 96	2.3				4.7	9.3	65.1	18.6		43	2.1
87 TO 91	7.1	.7	1.4	4.3	5.7	19.1	39.0	19.9	2.8	141	6.9
82 TO 86	8.3	1.2	4.0	7.0	14.4	15.6	30.6	15.9	3.1	327	16.0
77 TO 81	8.4	2.0	5.3	8.7	18.8	15.0	22.6	13.7	5.3	393	19.2
72 TO 76	8.0	3.8	6.6	11.4	20.8	14.9	14.4	9.4	10.6	499	24.4
67 TO 71	8.1	3.9	7.5	6.7	15.9	13.4	12.9	8.6	23.1	372	18.2
62 TO 66	19.8	3.1	5.7	4.2	4.7	6.3	12.5	12.0	31.8	192	9.4
57 TO 61	27.8	13.0			1.9	3.7	5.6	11.1	37.0	54	2.6
52 TO 56	15.4	7.7				7.7	15.4	30.8	23.1	13	.6
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	9.6	2.9	5.3	7.5	14.9	13.8	20.9	12.5	12.6	2045	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

14700
STATION

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

AUGUST

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSW & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101									100.0	1	.2
92 TO 96	12.5		4.2	4.2	4.2	20.8	33.3	20.8		24	1.2
87 TO 91	6.7	.8	.8	2.5	10.9	18.5	44.5	12.6	2.5	119	5.8
82 TO 86	6.8	2.8	2.0	6.4	10.4	15.5	33.9	17.9	4.4	251	12.3
77 TO 81	8.0	3.0	6.6	11.6	16.5	14.9	16.8	14.0	8.5	363	17.8
72 TO 76	5.4	3.5	11.8	9.1	16.2	16.6	13.9	8.7	14.9	518	25.4
67 TO 71	5.9	5.9	13.7	6.6	10.7	8.8	12.3	8.8	27.3	422	20.7
62 TO 66	12.9	11.6	9.2	3.6	6.8	3.6	6.8	11.2	34.1	249	12.2
57 TO 61	14.9	5.4	5.4	2.7	6.8	5.4	2.7	20.3	36.5	74	3.6
52 TO 56	15.8	10.5			5.3		5.3	31.6	31.6	19	.9
47 TO 51								50.0	50.0	2	.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 1											
0 TO 0											
10 TO 14											
20 TO 24											
30 TO 34											
40 TO 44											
50 TO 54											
60 TO 64											
70 TO 74											
80 TO 84											
90 TO 94											
TOTALS	7.6	4.8	6.7	7.2	12.3	12.5	17.2	12.1	17.5	2042	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14746
STATION

LAKEHURST, NJ

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

SEPTEMBER

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	25.0					50.0	25.0			4	.2
87 TO 91	3.7	3.7		3.7		18.5	51.9	14.6	3.7	27	1.4
82 TO 86	6.7		1.3	6.7	10.7	18.7	32.0	18.7	5.3	75	3.8
77 TO 81	2.5	2.5	4.9	6.2	20.4	22.2	22.8	15.4	3.1	162	8.2
72 TO 76	6.3	4.1	6.3	8.9	22.5	14.9	18.7	11.4	6.7	315	15.9
67 TO 71	6.6	4.5	10.2	12.9	15.5	8.1	15.0	13.6	13.6	381	19.2
62 TO 66	9.5	11.7	16.9	9.5	9.8	5.7	9.3	12.6	15.0	420	21.2
57 TO 61	9.5	20.2	11.5	4.9	4.3	2.0	8.9	13.3	25.4	347	17.5
52 TO 56	13.6	8.9	5.9		4.1	1.2	7.7	17.2	41.4	169	8.5
47 TO 51	13.2	7.5	1.9			1.9	5.7	20.8	49.1	53	2.7
42 TO 46	13.0	13.0					9.7	13.0	52.2	23	1.2
37 TO 41	75.0						25.0			4	.2
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
TOTALS	8.3	8.9	9.6	7.6	11.8	8.5	14.2	13.8	17.3	1980	100.0

NAVWEASERVCOM

3

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

147

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

OCTOBER

STATION

STATION NAME

YEAR

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
102+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86						70.0	30.0			10	.5
77 TO 81	6.9	3.4			10.3	10.3	65.5	3.4		20	1.4
72 TO 76	5.0		3.8	3.8	21.3	22.5	28.8	11.3	3.8	60	2.9
67 TO 71	5.5	3.7	7.4	12.3	16.6	16.0	23.9	11.0	3.7	163	8.2
62 TO 66	4.8	4.6	12.8	8.0	10.4	13.6	17.6	13.2	6.8	250	12.2
57 TO 61	8.5	8.5	14.9	9.5	9.3	8.3	18.3	13.9	8.8	410	20.0
52 TO 56	8.7	9.9	16.1	5.0	5.5	5.2	18.4	17.4	13.9	403	19.7
47 TO 51	14.1	10.8	3.4	2.0	6.7	6.7	18.9	17.5	19.9	297	14.5
42 TO 46	12.1	3.9	.5	1.0	2.4	6.3	24.3	17.5	32.0	206	10.1
37 TO 41	14.2	4.4			1.8		13.3	29.2	37.2	113	5.5
32 TO 36	20.6				1.6	4.8	12.7	17.5	42.9	63	3.1
27 TO 31	21.1						5.3	47.4	26.3	19	.9
22 TO 26								50.0	50.0	2	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-6 TO -4											
-10 TO -8											
-18 TO -14											
-25 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-42 TO -38											
-46 TO -42											
-50 TO -46											
-54 TO -50											
TOTALS	9.6	6.4	9.0	5.4	8.9	8.8	19.9	16.1	15.6	2045	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

147
STATION

LAMCHURST, NJ

STATION NAME

JANUARY 1973-DECEMBER 1982

YEARS

NOVEMBER

MONTH

HOURS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
124											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						25.0	62.5	12.5		9	.4
72 TO 76	3.8			7.7	26.9	19.2	30.8	11.5		26	1.2
67 TO 71	3.6		3.6	9.1	25.5	21.8	30.9	3.6	1.9	55	2.8
62 TO 66	1.6	1.6	8.0	8.0	24.0	20.0	23.2	12.0	1.6	125	6.2
57 TO 61	4.5	3.0	12.9	8.9	14.9	14.4	22.8	13.4	5.4	202	10.2
52 TO 56	6.0	6.4	13.1	7.4	13.8	9.9	17.7	10.6	15.2	283	14.2
47 TO 51	9.7	9.4	8.8	6.6	5.9	7.8	18.1	20.9	12.8	320	16.2
42 TO 46	11.5	7.7	5.9	3.4	3.4	7.1	23.2	24.1	13.6	323	16.3
37 TO 41	9.6	5.2	3.7	.7	3.3	10.0	25.2	27.0	15.2	270	13.6
32 TO 36	9.9	5.9	3.6		1.8	5.0	23.9	27.5	22.5	222	11.2
27 TO 31	4.9	2.9	1.0		2.0	4.9	30.4	23.5	30.4	102	5.2
22 TO 26	9.4	3.1				6.3	28.1	12.5	40.6	32	1.6
17 TO 21					10.0		50.0	10.0	30.0	10	.5
12 TO 16							50.0	50.0		2	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-12 TO -8											
-16 TO -12											
-20 TO -16											
-24 TO -20											
-28 TO -24											
-32 TO -28											
-36 TO -32											
-40 TO -36											
-44 TO -40											
-48 TO -44											
-52 TO -48											
-56 TO -52											
-60 TO -56											
TOTALS	7.8	5.7	7.1	4.5	6.4	9.8	23.0	19.5	14.1	1980	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

14730
STATION

LAVENHURST, NJ

JANUARY 1973-DECEMBER 1982

DECEMBER

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						100.0				1	.0
72 TO 76						100.0				1	.0
67 TO 71					13.2	45.5	36.4			11	.5
62 TO 66			2.8		22.2	33.3	38.9	2.8		36	1.8
57 TO 61	5.6		1.9		27.8	31.5	18.5	9.3	5.6	54	2.7
52 TO 56	2.7		1.8	8.9	28.6	18.8	27.7	6.3	5.4	112	5.5
47 TO 51	3.1	1.8	9.2	6.1	16.6	15.3	23.3	16.0	8.6	163	8.1
42 TO 46	8.6	8.6	9.0	10.8	7.4	8.0	17.9	20.7	9.0	324	16.0
37 TO 41	7.4	10.6	6.6	2.6	6.0	5.4	17.4	28.0	16.0	350	17.3
32 TO 36	11.5	9.8	2.4	1.2	3.8	4.4	15.4	29.0	22.5	338	16.7
27 TO 31	9.0	9.7	2.6	.7	2.2	6.4	14.2	30.0	25.1	267	13.2
22 TO 26	14.6	3.9	1.9		2.4	4.9	15.5	32.5	24.3	206	10.2
17 TO 21	5.6	2.2	2.2		2.2	4.4	32.2	27.8	23.3	97	4.4
12 TO 16	9.5					2.4	31.0	26.2	31.0	42	2.1
7 TO 11	5.3			5.3		5.3	15.8	26.3	42.1	19	.9
2 TO 6								70.0	30.0	10	.5
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	5.3	6.8	4.5	3.5	7.7	9.6	18.9	24.6	17.1	2024	100.0

NAVWEASERVCOM

PRESSURE

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

147-1
STATION

LAKEHURST, NJ

JANUARY 1973-DECEMBER 1982

ALL

HOURS U.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						25.0	58.3	6.3	8.3	12	.0
92 TO 96	6.3		1.3	1.3	5.0	17.5	50.0	18.8		80	.3
87 TO 91	5.3	.8	.8	3.4	6.3	19.2	44.7	16.6	2.4	380	1.6
82 TO 86	6.4	1.4	2.8	6.3	12.4	17.6	33.7	16.2	3.3	888	3.7
77 TO 81	6.1	2.3	4.7	8.5	17.4	16.9	24.2	14.5	5.3	1370	5.7
72 TO 76	6.5	3.2	7.7	9.9	19.3	15.9	18.1	10.3	9.1	2065	8.6
67 TO 71	6.1	3.9	9.2	9.3	16.7	12.4	16.1	11.4	14.9	2237	9.3
62 TO 66	8.2	6.0	10.3	8.3	14.5	10.8	15.7	12.6	13.6	2294	9.5
57 TO 61	8.2	7.8	11.2	7.7	13.2	9.6	15.0	13.2	14.0	2269	9.4
52 TO 56	8.2	6.2	11.2	7.7	12.0	8.2	16.3	15.0	15.1	2121	8.8
47 TO 51	10.1	7.5	8.2	7.8	8.4	7.9	18.4	18.2	13.5	1888	7.8
42 TO 46	10.1	6.5	9.2	7.3	7.2	6.5	18.1	21.1	14.0	1964	8.2
37 TO 41	9.8	8.4	8.4	3.9	5.2	5.2	17.7	25.3	16.2	1777	7.4
32 TO 36	11.5	6.6	7.1	2.0	3.8	5.2	18.1	25.8	19.9	1651	6.9
27 TO 31	9.5	8.2	4.7	1.8	2.2	4.9	16.3	31.2	21.2	1191	4.9
22 TO 26	13.9	7.7	4.3	.6	1.7	3.2	19.0	28.7	21.0	899	3.7
17 TO 21	14.1	2.4	1.4		2.0	2.6	20.8	32.1	24.8	505	2.1
12 TO 16	16.6	3.5	1.0	.3	.7	3.5	24.9	29.4	20.1	289	1.2
7 TO 11	10.5	.8	3.2	2.4		3.2	21.8	33.9	24.2	124	.5
2 TO 6	9.6		1.9			1.9	25.0	38.5	23.1	52	.2
-3 TO 1	6.3						31.3	43.8	18.8	16	.1
-8 TO -4									100.0	2	.0
-12 TO -9						100.0				1	.0
-16 TO -14											
-20 TO -18											
-24 TO -22											
-28 TO -26											
-32 TO -30											
-36 TO -34											
-40 TO -38											
-44 TO -42											
-48 TO -46											
-52 TO -50											
-56 TO -54											
-60 TO -58											
TOTALS	9.8	5.7	7.9	6.4	10.6	9.5	18.8	18.2	14.1	24074	100.0

NAVWEASERVCOM

Woon, Federal Building
Asheville, N. C.

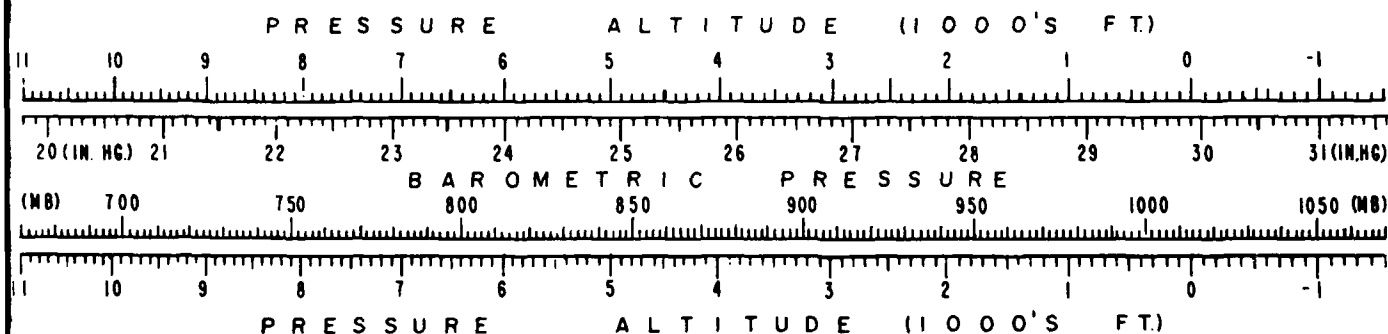
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14740 LAKEHURST, NJ

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	1019.4	1017.9	1015.9	1014.7	1014.5	1016.0	1015.8	1017.7	1018.8	1020.5	1017.9	1018.5	1017.3	
	S. D.	3.248	9.360	10.093	8.475	5.052	5.795	4.588	3.747	5.254	6.324	8.349	9.321	7.504	
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	86	1088	
04	MEAN	1019.3	1017.6	1015.5	1014.6	1014.4	1015.8	1015.6	1017.6	1018.5	1020.3	1018.0	1018.4	1017.1	
	S. D.	3.511	9.308	10.080	8.742	5.162	5.872	4.650	3.789	5.265	6.355	8.247	9.386	7.567	
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	85	1087	
07	MEAN	1017.6	1018.3	1017.0	1016.1	1015.5	1015.9	1016.1	1017.8	1018.3	1019.0	1018.9	1018.6	1017.4	
	S. D.	10.064	9.541	9.169	8.418	5.796	6.014	4.773	4.156	5.498	7.572	8.347	9.766	7.764	
	TOTAL OBS	311	282	310	300	310	300	310	310	300	309	300	310	3652	
10	MEAN	1018.4	1018.8	1017.2	1016.0	1015.5	1015.9	1016.2	1017.9	1018.5	1019.2	1019.4	1019.3	1017.7	
	S. D.	10.136	9.493	9.349	8.615	5.814	6.100	4.774	4.217	5.602	7.835	8.397	9.792	7.882	
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653	
13	MEAN	1016.4	1017.4	1015.7	1014.8	1014.6	1015.1	1015.4	1017.1	1017.5	1017.8	1017.7	1017.5	1016.4	
	S. D.	10.181	9.492	9.562	8.435	5.785	6.094	4.768	4.205	5.538	7.905	8.267	9.735	7.832	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	1016.2	1016.7	1014.6	1013.8	1013.7	1014.4	1014.6	1016.3	1016.6	1017.2	1017.4	1017.4	1015.7	
	S. D.	10.163	9.368	9.489	8.150	5.743	6.022	4.771	4.098	5.454	7.860	8.106	9.447	7.753	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	1017.0	1017.7	1015.4	1014.4	1014.1	1014.6	1014.8	1016.6	1017.1	1018.0	1018.3	1018.1	1016.3	
	S. D.	10.192	9.317	9.288	7.956	5.460	5.851	4.714	4.004	5.291	7.777	7.885	9.374	7.666	
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	300	309	3650	
22	MEAN	1017.4	1018.1	1016.2	1015.4	1014.9	1015.5	1015.5	1017.3	1017.8	1018.6	1018.6	1018.3	1017.0	
	S. D.	10.087	9.371	9.163	7.869	5.462	5.806	4.682	4.147	5.212	7.805	7.988	9.515	7.622	
	TOTAL OBS	310	281	310	300	310	300	309	309	300	310	300	304	3643	
ALL HOURS	MEAN	1017.4	1017.8	1016.0	1015.0	1014.7	1015.3	1015.5	1017.2	1017.7	1018.5	1018.3	1018.2	1016.8	
	S. D.	10.020	9.428	9.430	8.303	5.657	5.988	4.761	4.139	5.453	7.715	8.190	9.591	7.761	
	TOTAL OBS	2048	1858	2046	1980	2046	1980	2045	2045	1980	2045	1980	2024	24077	

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

147 LAKELAND, NJ

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
01	MEAN	29.988	29.941	29.882	29.850	29.846	29.890	29.886	29.940	29.972	30.021	29.945	29.960	29.927	
	S. D.	.243	.276	.298	.251	.149	.171	.135	.110	.155	.186	.246	.275	.221	
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	86	1088	
04	MEAN	29.984	29.932	29.873	29.844	29.841	29.884	29.881	29.937	29.965	30.016	29.947	29.958	29.921	
	S. D.	.251	.274	.297	.260	.153	.173	.138	.112	.155	.187	.243	.277	.223	
	TOTAL OBS	93	84	93	90	93	90	93	93	90	93	90	85	1087	
07	MEAN	29.935	29.957	29.918	29.894	29.876	29.889	29.897	29.946	29.960	29.981	29.975	29.965	29.933	
	S. D.	.277	.282	.270	.249	.172	.177	.141	.123	.162	.224	.247	.248	.229	
	TOTAL OBS	311	282	310	300	310	300	310	310	300	309	300	310	3652	
10	MEAN	29.960	29.972	29.925	29.891	29.877	29.889	29.900	29.952	29.967	29.987	29.990	29.987	29.941	
	S. D.	.279	.281	.275	.255	.172	.179	.141	.124	.165	.232	.248	.289	.233	
	TOTAL OBS	311	282	310	300	310	300	310	310	300	310	300	310	3653	
13	MEAN	29.900	29.929	29.882	29.856	29.851	29.867	29.879	29.926	29.937	29.912	29.941	29.933	29.901	
	S. D.	.300	.281	.281	.250	.171	.179	.141	.124	.163	.208	.244	.287	.283	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
16	MEAN	29.893	29.909	29.849	29.826	29.824	29.845	29.854	29.903	29.911	29.927	29.932	29.929	29.883	
	S. D.	.300	.277	.279	.241	.169	.177	.141	.121	.160	.233	.239	.279	.229	
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652	
19	MEAN	29.919	29.938	29.874	29.845	29.836	29.853	29.858	29.911	29.926	29.952	29.960	29.951	29.902	
	S. D.	.300	.276	.273	.235	.162	.172	.139	.118	.156	.230	.233	.276	.226	
	TOTAL OBS	310	281	310	300	310	300	310	310	300	310	300	309	3650	
22	MEAN	29.929	29.952	29.896	29.874	29.859	29.878	29.880	29.932	29.945	29.968	29.967	29.957	29.920	
	S. D.	.298	.277	.270	.233	.162	.170	.138	.122	.153	.231	.236	.281	.225	
	TOTAL OBS	310	281	310	300	310	300	309	309	300	310	300	304	3643	
ALL HOURS	MEAN	29.929	29.942	29.889	29.863	29.853	29.872	29.879	29.930	29.943	29.960	29.960	29.954	29.914	
	S. D.	.296	.279	.276	.246	.167	.176	.141	.122	.160	.216	.242	.283	.238	
	TOTAL OBS	2048	1858	2046	1980	2046	1980	2045	2045	1980	2043	1980	2024	24077	

NAVWEASERVCOM

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DATE

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